## ANNUAL REPORT

OF THE

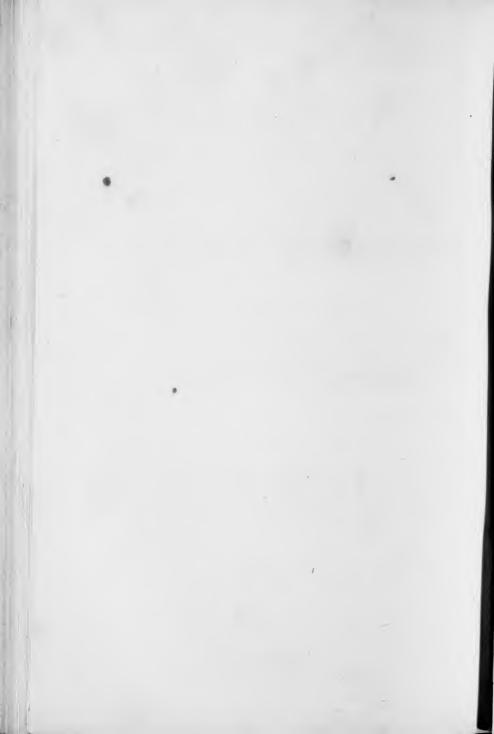
# BOARD OF HEALTH

OF THE

## DISTRICT OF COLUMBIA.

1876.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1876.



DISTRICT OF COLUMBIA, BOARD OF HEALTH, Washington, December 1, 1876.

SIR: I have the honor to present herewith the fifth annual report of the board of health of the District of Columbia, embracing its work and operations for the year ending September 30, 1876.

Very respectfully, your obedient servant,

CHRIS. C. COX,

Secretary.

The PRESIDENT.

## MEMBERS OF THE BOARD.

T. S. Verdi, A. M., M. D. C. C. Cox, M. D., LL. D. John Marbury, jr. John M. Langston, LL. D. D. W. Bliss, M. D.

PRESIDENT. T. S. Verdi, A. M., M. D.

SECRETARY. C. C. Cox, M. D., LL. D.

TREASURER.

John Marbury, jr.

REGISTRAR OF VITAL STATISTICS. D. W. Bliss, M. D.

ATTORNEY.
John M. Langston, LL. D.

#### STANDING COMMITTEES.

Committee on ordinances.—J. M. Langston, D. W. Bliss.
Sanitary police committee.—C. C. Cox, John Marbury, jr.
Sanitary committee.—T. S. Verdi, C. C. Cox.
Committee on epidemics.—D. W. Bliss, T. S. Verdi.
Committee on finance.—John Marbury, jr., J. M. Langston.

### OFFICERS OF THE BOARD.

HEALTH-OFFICER. P. T. Keene, M. D.

> CHIEF CLERK. D. S. Jones.

MEDICAL SANITARY INSPECTOR. W. D. Stewart, M. D.

SANITARY INSPECTORS.

J. H. Smith.
Edmund Weston.
J. T. Kelly.
William Wolf.
C. Ludington.

ANALYTICAL CHEMIST. B. Fanueil Craig, M. D.

## REPORT

## THE BOARD OF HEALTH.

### 1.—REPORT OF THE PRESIDENT.

I have the honor to submit herewith the fifth annual report of the board of health for the year ending the 30th of September, 1876.

In view of the fact that, at the last session of Congress, a law was passed appointing a commission for the purpose of making and presenting a plan for a new government for the District of Columbia, I think it opportune to review the proceedings and operations of the board of health during the five years of its existence. By this means, I may be able to impart to the commission and to Congress information useful in securing necessary sanitary protection to the District of Columbia.

The history of communities has demonstrated the fact that individually man does not act in the preservation of the whole as in that of his own immediate interests, treating affairs of general import as abstract questions which he neither studies nor analyzes. This fact has given rise to civil organizations which in their corporate capacity act for the masses. The individual, having thus surrendered labor and responsibility to the government, remains generally indifferent, and submits to its authority. Thus individual responsibility has greatly decreased through the false assumption that the government should perform individual duty. This surrender of duty and responsibility on the part of the citizen has greatly added to the labors of governments, and

widened their scope and sphere of action.

If man would do unto others as he would have others do unto him, there would be no necessity for police, courts, or prisons. If he would construct his house, drain his lot, build his road properly, there would be no necessity for boards of public works. If he would maintain cleanliness, observe and practice the laws of sanitary science, there would be no necessity for boards of health. But the individual does not do this; he has transferred these duties to the government, and therefore he holds himself free from any responsibility in the matter. If the road is not level or safe, he has the gratification of grumbling against the board of public works. If his closet is overflowing; if his garbage is reeking in his household; if the small-pox attacks him; if typhoid fever lays him low; if cholera, diphtheria, or the plague turns his cheerful household into a sorrowful sepulcher, he inveighs against the board of health. He feels no little relief in the belief that others, and not himself, are responsible for the calamity. He fails to look at home for the causes of the scourge; nay, he would probably scorn a suggestion to that effect, lest his observations may lead him into self-accusation. So long as this is the case, so long there will be a necessity for government, and particularly for such government as has reference to the health and safety of the people. In older countries, this indifference is so well understood that governments protect the people in spite of themselves. Man is not permitted to kill himself by recklessness or indifference; he is not allowed to go where his life may be in danger. The central government of France relies for advice in sanitary matters on the consultative committee of public hygiene; in England, on the health-officer to the privy council. From these high councils emanate all the sanitary laws that govern their respective countries.

In this country, boards of health are comparatively new institutions, and are not organized except in a few cities; and where legislators have failed to understand their scope and jurisdiction they are deprived of the necessary authority and means of support. New York, Boston, and Washington are probably the only three cities in the Union whose boards of health have been clothed with authority essential to

success.

It has heretofore been the custom of intrusting matters of health to committees of assemblies or city councils, composed generally of men ignorant of sanitary science, and little or nothing was accomplished

in the way of sanitary reform.

In 1797, the District of Columbia was set aside for the seat of government of the United States, and General Washington made the plan for the city which was named after himself. The plan was on a magnificent scale, and may be taken as Washington's prophecy of the wonderful growth and prosperity of the new country. The ground selected for the city lay between Georgetown and the Eastern Branch, and a large portion of it was low and swampy. Under the auspices of the Government, the population, from that of seven thousand in 1797, has attained the remarkable proportion of one hundred and fifty thousand, and Washington is now the eleventh city in the scale of population in the United States. During these seventy-three years of transition and development, the city has passed through eighteen governmental administrations, and probably forty municipal; yet in 1871 this board of health found a flagrant nuisance known as the Washington Canal, which, in the emphatic words of Professor Henry, was "an open cess-pool, a fruitful source of discomfort and disease, receiving the sewage direct in its midst, and inconsistent with the intelligence of the age." This canal, traversing the city from Rock Creek to the Eastern Branch, passing within a few hundred yards of the White House, the War, Navy, and Treasury Departments, through the Agricultural, Smithsonian, and Botanical gardens to the very doors of the Capitol itself, its shores abounding in malarial poison, and the people abandoning its neighborhood as the Romans flee from the nightmantle of death of the Campagna. It moreover found hundreds of lots below grade, covered with stagnant water, endangering the lives and health of the residents of the neighborhood; hundreds of alleys, receptacles of house offal, giving rise to dangerous effluvia that found its way into the windows of inhabited dwellings; hundreds of hovels, the abode . of the poor, with leaky roofs, damp walls, no privy, or water-supply, and unfit for human habitation; hills of ashes and filth in open lots, the accumulation of many years; thirty thousand privy-boxes, many in bad condition or overflowing, and subject to an occasional emptying by a most barbarous and crude system, the operation of which awoke our citizens from their peaceful slumbers to shut out the stench from their sleepingrooms—the scavenger coming in the dead of night like a thief, afraid to be observed; house offal and garbage accumulated in large quantities in yards, subject to a vicious system of removal that cost the city \$25,000

per annum; slaughter-houses strewn among our populated districts that claimed as a raison d'être the time they had been allowed to remain and carry on their filthy work in our midst; no quarantine laws or regulations to prevent the incursion and spread of infectious and contagious diseases; no bureau of vital statistics to record births, deaths, and marriages, and to prevent crime; no control over cemetery-superintendents or undertakers, so that persons were buried with or without a physician's certificate, whether death had occurred from poison or violence, small-pox, yellow fever, or cholera-the dead were put away under the sod and no questions asked, unless glaring and unmistakable evidence of foul play existed; no inspection of food, so that meats from blown to decomposed were sold in open market unobserved; no inspection of marine products, so that thousands of bushels of oysters, clams, and other fish unfit for human food found their way from the shambles of the vender to the consumer's table; domestic animals running at large, imperiling life and destroying ornamentation: thousands of hog and cow pens, the inhabitants of which found comfort and food in our alleys, streets, and parks; and innumerable other nuisances were discovered here, tolerated by the apathy of the citizens or their unsanitary authorities.

Thus Washington, the capital of this proud nation, where the President, his cabinet, the foreign ministers, and three thousand officials reside; where Congress and all citizens having business with it congregate, had, under this maladministration, this culpable neglect, acquired the unenviable name of being a city of disease, filth, and dust; a city which all prudent persons deserted during summer and fall, to flee from intermittent, remittent, and typhoid fevers. This general exodus for so many months paralyzed all business, so that hotels and many businesshouses were closed during the summer, and the few people who remained for want of means to get away sweltered in the summer heat in all the discomforts of a neglected and abandoned city. Such was Washington

in old time.

Finally, in 1871, Congress came to its relief. It created a board of public works, which, with boldness, sagacity, and judgment, instituted reforms, built hundreds of miles of sewers, laid a great number of pavements, planted millions of trees, and in every way changed the aspect and prospect of the city. It created a board of health, whose duty is "to declare what shall be deemed nuisances injurious to health, and to provide for the removal thereof; to make and enforce regulations to prevent domestic animals from running at large in the cities of Washington and Georgetown; to prevent the sale of unwholesome food in said cities; and to perform such other duties as shall be

imposed upon said board by the legislative assembly."

The wisdom of this law creating a board independent of all local and political influence was early apparent, for the legislature of the District, affected by the prejudice of the ignorant and the interests of political tricksters, became openly inimical to the board. The present board was organized about April 1, 1871. It divided itself into five permanent committees: a sanitary committee, having in charge all matters pertaining to nuisances, sanitary science, &c.; an ordinance committee, for the proper construction of ordinances, rules, regulations, and contracts; a finance committee, for expenses, payments, and accounts; a sanitary police committee, for the examination and recommendation, as well as for the observation and investigation of the conduct of the employés of the board; a committee on epidemics, for suggestions,

plans, and measures for the prevention of threatening epidemics and the

means to abate the same when present.

To the constant vigilance of these committees is due the success of the board of health. Besides this organization and parceling of labor, the board elected from its own members a president, a secretary, a treasurer, a registrar of vital statistics, and an attorney; also a health-officer. After two years, finding that the health-officer's duties were such as to require his whole time, it was decided to employ a health-officer under pay of the board. The board was appointed by the President and confirmed by the Senate. It is composed of three physicians, a lawyer, and a merchant. The board has public meetings twice a week, often three times, in which all subjects are debated and voted on with open doors. This organization has worked admirably for five years, and its labors have been acknowledged not only at home but abroad, and even by foreign governments; and although the physicians of the board thus appointed are of different schools of medicine, no jar, dissension, or discussions ever occurred regarding the theory and practice of medicine.

Now what has this board accomplished in the five years of its exist-The deadly canal was first to come under its ban. It was condemned, and the board of public works, through the demands of the board of health, buried it, like a carrion, under 15 feet of earth, and built over it a monument of enterprise and beauty, a grand road flanked by trees and gardens. The alleys are daily inspected, and, when foul, reported to the board of health, who make a reference and recommendation to the honorable Commissioners for the cleaning of the same. Hundreds of houses unfit for human habitation have been condemned and The heaps of dirt and ashes are no longer seen in neglected and vacant grounds. Privy-boxes are constantly inspected, and not permitted to overflow as of old; and the barbarous system of removing night-soil by buckets has been replaced by an odorless system carried on during the day, without giving offense to the most delicate olfactory or violating the least sense of propriety. And this important service is done at 20 per cent. less than the cost of the old reprehensible The dumps that used to surround our city and alarm our people have disappeared, and the filthy material is now taken away by railroad in air-tight barrels, twenty miles into the country. Garbage is not allowed to accumulate in houses, and although the service is under the control of another department of the government, the board of health exercises that supervision necessary for the proper accomplishment of this important work. The slaughter-houses scattered in our midst have been condemned by the board and removed beyond the boundaries of the city. In this connection it is proper to state that the board has several times in their annual reports recommended the establishment by Congress of an abattoir for the District of Columbia, where the slaughtering might be done under its supervision and inspectorship. Not until such a law is passed and enforced will the District of Columbia be rid of this incorrigible nuisance.

#### CONTAGIOUS DISEASES.

Rules, regulations, and instructions for the prevention of the spread of epidemic infections and contagious diseases have been promulgated under an act of the legislature passed June 19, 1872, as requested by the board of health. In the fall of 1871, it became apparent that the small-pox had become an epidemic in various cities of the United States, and particularly in the neighboring cities north of Washington,

with which it has constant intercourse. In December, it was introduced here from New York, and in a very short time it prevailed to an alarming extent among the poor classes, and among the negroes particularly. There existed then no law or any authority by which to assume control of the scourge. But the board of health assumed the duty and the responsibility. It ordered general vaccination, and sent its officers from door to door to perform this duty without charge. Pure animal vaccine matter was supplied gratuitously by the board, and upward of sixty thousand people were vaccinated free of charge. It established a temporary hospital, provided itself with ambulances and disinfectants. It appointed a corps of inspectors for the removal and care of the afflicted ones; and the infected apparel was at once destroyed or disinfected. Whenever a person could not be properly isolated in his dwelling, he was removed to the hospital, his house disinfected, and all proper protection thrown around the members of his family or the people inhabiting the same dwelling. A boarding-house was established at the hospital, so that the persons employed in removing small-pox cases or in disinfecting houses and clothing should be removed from the company and association of others. Telegraphic communication was established between the board-rooms and the small-pox hospital, so that at a touch of the wire ambulances and employés were quickly at work. Rules were promulgated that all physicians and citizens should report cases of smallpox to the board of health. Whenever a case was isolated in the house of a patient, a warning flag was hung at his door. In this manner, an epidemic that suddenly threatened to invade this whole city was confined to the quarter infected, and speedly stamped out. The city was so unguarded that before preparations could be made hundreds of cases were reported. As soon as the board of health grappled with it, it began to decrease, until it disappeared altogether. We had in all 1,738 cases, and yet not a dozen cases occurred among that intelligent class of citizens who observed the orders and regulations of the board.

The small-pox was raging while Congress was in session, and yet its members were scarcely aware of its presence; not a Senator, member of Congress, foreign minister, nor member of the cabinet suffered from

the disease.

The board of health, being aware of the importance of a bureau of vital statistics, applied in vain to the local legislature for a bill providing for such a bureau. The local legislators had interests at variance with the board of health; they had votes to secure, and preferred to listen to the complaints of their prejudiced and ignorant constituents, rather than to the appeals of the board of health. We then appealed to Congress, and on the 23d of June, 1874, it passed an act "that it shall be the duty of the board of health of the District of Columbia to make and enforce regulations to secure a full and correct record of vital statistics, including the registration of deaths and the interment of the dead in said District;" and, in the words of the registrar, "the practical result of the enforcement of these regulations is to place under immediate observation the number of deaths occurring in the District, the cause and locality of each, enabling the board to arrest the spread and progress of epidemics, endemics, contagious or infectious diseases, and promptly abate existing causes of preventable maladies; to secure a perfect registration of marriages, births, and deaths, for testamentary evidence; and to bring all cases of death under immediate official observation for the prevention and detection of crime." That this important work may be comprehended, let it be illustrated: no dead person can now be buried indisinterred, or transported from the District of Columbia without a permit from the board of health.

The board requires a certificate of the attending physician, stating the cause of death, without which certificate no permit is issued. It often occurs that persons die without the attendance of a physician. either from poyerty or violence of the attack. The medical sanitary inspector attached to the board of health is then ordered to investigate the cause of death and report to the health officer; upon his certificate the permit is issued. If this inspector, however, should not be satisfied with the cause of death, the case is referred to the coroner of the District. In this manner, crime is prevented or discovered. Again, the causes of death alleged by the physician may be typhoid or malarious fever, diphtheria, or any disease from local cause. The medical inspector investigates the causes, reports them to the board, which at once throws protection around the neighborhood by removing them, and thus checks the spread of the disease. In other instances, in case of a contagious disease, as small-pox, scarlet fever, &c., the same service is rendered.

In this city, into which the war has suddenly thrown thirty thousand negroes, pauperism has greatly increased, and virtue among them at a discount, not having been greatly fostered on the old plantations. Hence concubinage, with all its dire consequences, is quite prevalent. It happens, therefore, that still-births are often the result of doubtful causes, requiring the vigilance of the board of health. Many die also in such a state of destitution as to need burial at public expense, in which case the medical sanitary inspector makes an investigation, and reports to the board with recommendations. This service is expensive, but indispensable to a well-regulated community. The board has often received communications from foreign governments requesting documentary evidence of the death in this city of individuals of foreign birth, and it was mortifying to our pride as a board of health and as American citizens that there was no record or reliable evidence of the death of the person named. This is corrected now, however, and the board of health is able to account for the death and burial of every person in the District of Columbia.

The sale of unwholesome food is now prevented by the daily inspection of the markets and green grocers' stores. To prove the importance of this service, it is enough to state that in the last five years there have been condemned 122,601 pounds of meats, 8,114 chickens, birds, rabbits, squirrels, &c., 28,691 bunches of fish, 28,479 bushels of oysters, 188,000 clams, 171,390 crabs; the valuation of these articles of food con-

demned and destroyed amounting to about \$70,000.

No animals are now allowed to run at large; and although this nuisance baffled the efforts of the police for many years, it is now entirely abated. The fierce opposition of the people who kept cows and hogs to be fed on public grounds has been conquered, and the service is now performed without molestation, to the great relief of our citizens. Eleven thousand seven hundred and forty-seven animals have been impounded in the past five years. The dogs, another source of evil and danger to the community, have received the attention of the board. During the four warm months, dogs are required, by the ordinances of the board, to be muzzled, and the pound-master to capture all the unmuzzled ones. Through this service, 7,327 worthless curs have been captured and killed.

There have been, moreover, 122,784 nuisances reported and abated, 43,348 tons of garbage and 14,000 tons of night-soil removed, 838 vacant lots containing stagnant water filled, 492 houses reported and con-

demned as unfit for human habitation removed.

#### THE SICK POOR.

The poor also have received the humane care of the board. From time immemorial it has been the custom of the city authorities to provide the indigent with medical attendance and medicines. This has been quite an item of expense, having reached beyond the sum of \$20,000 per annum. The honorable Commissioners properly requested the board of health to take charge of this service, it systematized the work, employed physicians, supplied the medicines, and reduced the expense to

\$8,000 per annum.

Such has been the work performed by the board of health, the details of which would take more space than this report will allow. The labor is a peculiar one, requiring knowledge of sanitary science and law. No board of health can be competent unless a majority of its members have been trained in the school of sanitary science. To determine what are nuisances injurious to health, to provide for the removal of the same, to prevent the incursion of disease and provide for the abatement of its cause, the use of disinfectants and deodorizers, to analyze potable waters, to record deaths and causes of deaths with proper classifications, to decide what is wholesome and unwholesome food, to search for local causes of disease, to determine whether dwellings are in sanitary condition, require a knowledge that only those trained in sanitary science can possess.

The composition of the personnel of this board is well adapted for the purposes of its organization. It contains all the elements of success, and it is hardly to be doubted that its triumphant career has been due greatly to the united forces of men qualified not only to judge and act in a sanitary sense, but according to law, and in compliance with the

judgment of an independent citizen.

The work of this board has been very laborious. In framing ordinances for the prevention of nuisances injurious to health, it created a complete code of health, under which the sanitary officers have been able to act in conformity with law. It was so well devised as to be sustained by all the courts of the District. Under this system, the officers have become experts, and their investigations, inspections, and reports demonstrate their qualifications for the work. It has become a school of sanitary science, from which not only the officers connected with it could learn, but one which spreads knowledge among the citizens. All sorts of questions of scientific and sanitary character are daily presented to the board, which treats and discusses them in public, thus diffusing that knowledge of sanitary science so necessary to the preservation of the lives and health of the people. We find now that our people are conversant with sanitary questions, to which their attention had never been called before. This is demonstrated by the many applications that the board receives from the people to treat questions of peculiar nuisances about which they are in doubt.

Citizens living in the neighborhood of a soap and candle factory where grease is rendered wish to know if the nauseous smell is deleterious to health. This opens at once the question of what smells are, what gases are; when, and under what circumstances they may be considered injurious to health. Another complains of a bone-crushing factory; another of a depot of guano; another of accumulations of manure; another of a slaughter-house, of a sewer, of drains, of damp dwellings, &c. These are questions that involve the right of property, the right of breathing pure air, the right of citizens in their avocations, the right to live unpoisoned. All these questions that arise every day in a large

community where industry, trades, and manufacturing are carried on, must be decided by the board of health in the interest of all. Their decision must be based upon a thorough knowledge of the subject both in its sanitary and legal importance. We are very glad to say that, in almost every instance where an appeal has been taken, the courts have sustained the board of health. Although the board has had almost unlimited power in declaring what are nuisances injurious to health, it has used that power with so much discretion as to create no discontent with the people. The fierce and unreasonable opposition it met in the beginning of its labors was conquered by the development of a sanitary system in which the unprejudiced and intelligent citizens could but see a praiseworthy effort to improve the condition of the city; and few are those to-day who will not acknowledge the great improvement in the healthfulness of our city, the guardianship and unremitting vigilance of the board of health for the welfare of all.

Much has been said about the expenditures of this board. No one has impeached, however, its accounts; for there never was a department in which the public moneys have been spent with so much fidelity. Although the board has a trusty and bonded treasurer, he is not allowed to pay even for a penholder the bill for which has not been presented to the board, referred to the committee on finance, and by said committee reported to the board. The board approves or disapproves; if approved, the treasurer is ordered to pay it. At the end of every month, this officer is required to make a financial statement, and at the end of the year his accounts are audited by a committee of the board and the proper accounting-officers of the Government. Hence, we state with pride that the accounts of the board are above suspicion. But are the expenses of the board excessive, taking into consideration the amount of work performed? That the work is a necessity in a well-governed community we have demonstrated.

Let us compare the expenses for sanitary work during the old, inefficient régime with the present successful one:

Sanitary squad of police, composed of ten policemen and a lieutenant, ignorant of sanitary laws and the science of hygiene, and under no advisory sanitary counsel.  Office and salary per annum of a secretary to a board of health composed of many members, without money or authority whatsoever.  Medical attendance and medicines for the poor, 1871, 1872, and 1873, average per annum.  Removal of garbage, 1872 and 1873, average.  Removal of dead animals.	\$13,500 1,000 22,000
Total	62, 500

No inspection of food;

No inspection of marine products;

No registration of vital statistics;

No interference with contagious and infectious diseases;

No systematic inspection of streets, alleys, yards, houses, sunken lots, sewers, &c.;

No taking up of domestic animals running at large;

No protection against rabid dogs;

No board of sanitary experts, to whom citizens could refer nuisances of a special character and find relief;

No board of sanitary experts for the framing and promulgation of

sanitary laws, rules, and regulations;

A system, in fact, remarkable only for its negativeness and inefficiency.

Board of health, as at present constituted, composed of 5 members—3 physicians, 1 lawyer, 1 merchant:

Salary of each, per annum, \$2,000.	\$10,000
1 health-officer	2,500
I medical sanitary inspector	1,500
1 chief clerk	1,800
5 sanitary inspectors, at \$1,200 each	6,000
3 food-inspectors, at \$1,200 each	3,600
1 pound-master	1,200
4 clerks at \$1,200 each (health office and registration service)	4,800
Messenger and janitor service	900
Collection of garbage	15,600
Care of sick, poor, and medicines	8,000
Poulld service	2,000
Transportation of offals	7,500
Total	65 400

Comparative expenses of boards of health.—Memorandum compiled from reports of other health boards.

Philadelphia, expenses for 1874, \$337,809.44; population, 750,000; expenses per capita,  $45\frac{1}{2}$  cents.

Boston, year ending April 30, 1875, \$469,031.91; population, 342,000; expenses per capita, \$1.37.

Baltimore, year ending October 31, 1875, \$268,855.47; population, 350,000; expenses per capita, 76\frac{1}{2} cents.

New York City, year ending, 1873, salary account alone, \$215,277.04.

#### VITAL STATISTICS.

The number of deaths registered during the year was 106 less than last year, and by reference to the tables it will be seen that this gratifying result is largely due to reduction of the death-rate from zymotic or preventable diseases; no better argument as to the value of the service of this department could possibly be presented. It appears from the records that from July 1, 1876, to date, the death-rate in the District has been on the increase. It is believed, and it is no doubt true, that such increase is almost, if not entirely, due to the large reduction in the sanitary force, rendered necessary by the meager appropriations made by Congress for expenses of the board for the current fiscal year.

#### NUISANCES.

During the year, 20,261 nuisances, of greater or less degree, have been reported and abated. Three hundred and seventy-one houses were condemned as unfit for human habitation, and destroyed or rebuilt by their owners; 424 others were reported as being in insanitary condition from various causes, and the cleaning and repairing of the same ordered and enforced. One hundred and sixty-six sunken lots upon which stagnant water was found have been filled, and 1,641 sewer-connections made. These results indicate the extent and value of the service.

#### FOOD-INSPECTIONS.

Since the commencement of the current fiscal year, the efficiency of this important branch of the service has been greatly impaired for want of funds, Congress having failed to appropriate as estimated and urged by the board. During the year, 22,217 pounds of meats, 3,940 pounds of game, 2,632 dozen eggs, and large quantities of fruits and vegetables have been condemned as unfit for food. Value of such food when of wholesome quality, \$11,926.28. The inspection of marine products has

been thorough and efficient. The number of fish inspected aggregate 4,775,114; condemned as unfit for food 47,423. The condemnation of shell-fish includes 62,915 clams, 61,084 crabs, and 4,759 bushels of oysters. Value of condemnations when of wholesome quality, \$6,601.70.

#### ANIMALS AT LARGE.

It is made the duty of the board by Congress "to make and enforce regulations to prevent domestic animals from running at large in the cities of Washington and Georgetown." Under the operations of this law, 2,668 animals have been taken up and impounded, of which number 1,917 were killed, mostly dogs, 744 were redeemed, and 5 sold.

#### MEDICAL SANITARY INSPECTION.

This service has been prosecuted with intelligence and vigor, and the valuable statistical information collected, concisely set forth in the tabular statement herewith presented, and to which attention is invited.

#### REPORT OF THE TREASURER.

From the treasurer's report it will appear that \$52,235 was appropriated for the service of the board for fiscal year ending June 30, 1876, and that the same sum has been expended. The receipts and disbursements are accurately presented in detail, as certified by the auditing committee.

#### REPORT OF ATTORNEY TO THE BOARD.

This report shows that the number of cases referred for prosecution during the year was 138;

Number of convictions, 58;

Number of cases nolle prosequied or discontinued, 62;

Number of cases dismissed, 6; Amount of fines imposed, \$238;

Amount of fines imposed, \$233; Amount of collateral forfeited, \$35.

In the past as in former years, the regulations of the board have been sustained by the courts of the District, and compliance with the requirements of such regulations uniformly enforced.

#### SECRETARY'S REPORT.

Letters received, 1,480; replied to by indorsement, 458; letters written and recorded, 439; referred to health officer, 187; other references, 271. Ninety-six meetings have been held during the year, and the proceedings had at same duly recorded.

#### BOARDS OF HEALTH AND LEGISLATION.

Experience teaches that municipal governments, dependant upon universal suffrage, do not give that support necessary for the creation and maintenance of thorough sanitary systems. It is well to study the causes of this antagonism to rules and regulations so important to our well-being. It comes from the ignorance of one class and the selfish interests of another. People indifferent to habits of cleanliness seem not to be aware that filth and dirt on their premises, even if tolerated by themselves, is a source of constant alarm to their neighbors. They do not

know or prefer not to think that in case of epidemics their untidy homes would be first invaded, and that from them the pestilence would be spread through the community. They do not like to be told that they must maintain cleanliness within their domains or be prosecuted for maintaining a nuisance; that an overflowing privy will not be tolerated; that from hog-pens and cow-sheds odors and gases emanate that are injurious to the health of the people; that damp houses, house-offal on the surface of the ground, surface-drainage, &c., are positive sources of malaria, producing typhoid and miasmatic fevers, and that such conditions cannot be tolerated by the health authorities. They are very sensitive when they are approached on these questions, and oppose what they are pleased to call "sanitary interference." The other class is the one that possesses more property than heart; who speculate on the poverty of the people; build huts and hovels in alleys or on valueless ground, without conveniences and unfit for human habitation. Others carry on filthy trades or manufacturing, such as fat-boiling, crushing bones, and the like; the gases from these establishments poisoning the atmosphere for squares around, and endangering the health and lives of This class oppose sanitary reform not only with their votes and influence, but with the very money they have made at the expense of their neighbors' health. Legislators yield to the pressure of their interested constituents, and the well directed efforts of the board of health are defeated and its usefulness impaired.

In Washington, previous to the organization of the present board by Congress, a board of health was appointed by the mayor, composed generally of physicians. This board was numerous, unpaid, and with little or no authority. In its efforts to effect sanitary reforms, it encountered the combined opposition of these three classes; filth and money triumphed over science and honesty, and the law creating the board and defining its duties was repealed. Whenever the present board appeared before the late legislature for sanitary measures, it was almost invariably defeated. Some of the very rules and regulations that this board has enforced under a law of Congress, for the success of which our citizens are justly proud, were defeated in that very legislature. This is not true of Washington alone. Our people are no worse than others in this respect, as we see it exemplified in every town where a board of health exists. While in England on sanitary inspection, Mr. John Simon, health officer to privy council of Her Majesty, on reading the law of Congress creating the board of health of the District of Columbia, said, "If Parliament would pass such a law we could save twenty thousand lives a year in the kingdom." So even the Parliament of Eng-

land is affected by the pressure of the voters.

The political and social position of Washington is peculiar. The President of the United States, his cabinet, the representatives of foreign governments, reside here; Senators, members of Congress, and their families, military and naval officers, &c., congregate here; and they have a right to demand the fostering care in sanitary matters of the Government; and the board of he, th should be responsible only to Congress, and entirely free from local influences.

Hygiene is the art by which health is preserved, and the hygienist, like the physician, should not be deterred by religion, politics, or self-interest from performing his sacred duty, and he should be sustained

by the strong arm of the Government.

Laws of health, physiologically speaking, are immutable. Hence a knowledge of them is requisite for the preservation of life, and the duty of the hygienist is to modify all customs and habits, natural or mechanical conditions, that interfere with the normal continuation of the same.

In view of the historical statements herein made, and the suggestions with regard to boards of health and legislation pertaining thereto, I respectfully submit that the sanitary interests of the District of Columbia can, in my judgment, be more largely and thoroughly conserved under such laws as now exist touching this subject, than by legislation of any other character, and I would urge the incorporation of such legislation in any bill passed by Congress for the organization and establishment of a government for the District.

TULLIO S. VERDI, President of the Board of Health.

## 2.—REPORT TO THE COMMISSIONERS OF THE DISTRICT OF COLUMBIA.

DISTRICT OF COLUMBIA BOARD OF HEALTH, Washington, November 9, 1876.

GENTLEMEN: We have the honor to submit the following report of the operations of the board for the year ending October 31, 1876, under authority granted and duties imposed by your orders:

#### THE GARBAGE SERVICE.

The collection and removal of garbage has been prosecuted under the contract with Messrs. H. F. Turner & Co., to the very general satisfac-

tion of the board and the public.

The number of tons removed from November 1, 1875, to November 1, 1876, was 5,870, an average of  $489\frac{1}{6}$  tons per month, or  $18\frac{3}{4}$  tons per day; expense of the service, \$15,600, or \$2.65 per ton. All of this material has been transported by rail, in air-tight casks, to a point four-teen miles beyond the District limits.

#### THE SICK POOR.

The number of persons treated by the physicians to the poor, from November 1, 1875, to August 31, 1876, ten months, was 7,233. Expense of the service, \$6,650.06. The supervision of the board over this service terminated August 31, 1876, by virtue of the following communication from your office:

OFFICE OF THE COMMISSIONERS OF THE DISTRICT OF COLUMBIA,
Washington, August 19, 1876.

GENTLEMEN: I am directed to notify you that on the expiration of the present month, the Commissioners will discontinue the payment of the amount of \$500 per month, which, on the 15th ultimo, they directed should be set apart for payment to your board on account of medicines and physicians to the poor, and all expenses on account of same.

Very respectfully,

The BOARD OF HEALTH,

District of Columbia.

WM. TINDALL, Secretary.

## BURIAL OF PAUPERS.

From November 1, 1875, to November 1, 1876, the remains of 473 paupers were interred in "potter's field;" thirty were interred in other cemeteries. Total burials at public expense, 503, of which number 90 were still-born children. The number of coffins furnished was 513.

#### HOLMEAD CEMETERY.

The management of this cemetery by the board terminated in June last, owing to the failure of the authorities to furnish necessary funds for repairs, &c. Ten bodies have been removed therefrom since last report. As a sanitary measure, we respectfully renew our recommendation of last year, regarding this cemetery, viz: "the removal of bodies therefrom and its abandonment as a resting-place for the dead."

#### RECEIPTS AND EXPENDITURES.

The receipts and expenditures of the board for the fiscal year ending June 30, 1876, from the funds of the District appropriated by act of Congress approved March 3, 1875, have been as follows:

Received.		Expended.	
July August September October November December January February March April May. June	\$2, 176 45 2, 176 55	July. August. September October. November December. January February March April May June.	\$1,620 00 2,714 40 879 21 3,234 88 2,186 00 1,986 95 2,457 43 2,267 76 1,077 91 3,129 35 421 39 4,232 72

Amount appropriated, \$26,117.50.

Vouchers for expenditures enumerated above have been forwarded to the auditor by our treasurer.

Estimate of funds required from the District for sanitary purposes for fiscal year ending June 30, 1878.

Item 1. For general sanitary inspection of streets, avenues, alleys, yards, markets, vacant lots, &c., where nuisances injurious to health may exist, and for the removal and abatement of the same. Act Congress, February 21, 1871.

Item 2. To prevent the sale of unwholesome food in the District of

Columbia. Act Congress, February 21, 1871.

Item 3. To prevent domestic animals from running at large in the cities of Washington and Georgetown. Act Congress, February 21, 1871.

Item 4. To secure a full and correct record of vital statistics, including the registration of births, marriages, and deaths, the interment, disinterment, and transportation of the dead, in and through the District. Act Congress, June 23, 1874.

Item 5. The transportation beyond the limits of the District of houseoffals, night-soil, and dead animals. Act Congress, February 21, 1871.

Item 6. To prevent the introduction and spread of infectious and contagious diseases. Act legislative assembly, June 19, 1872.

Item 7. The draining of lots bordering on public or private sewers.

Act legislative assembly, August 21, 1872.

Item 8. Collection of garbage in cities of Washington and Georgetown, and suburbs thereof. Order of Commissioners District Columbia. March 19, 1875.

In view of the historical statements herein made, and the suggestions with regard to boards of health and legislation pertaining thereto, I respectfully submit that the sanitary interests of the District of Columbia can, in my judgment, be more largely and thoroughly conserved under such laws as now exist touching this subject, than by legislation of any other character, and I would urge the incorporation of such legislation in any bill passed by Congress for the organization and establishment of a government for the District.

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The BOARD OF HEALTH,

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Received.		Expended.		
July Angust September October November December January February March April May June	\$2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 55	July. August September October. November December. January. February March April May June.	\$1,620 2,714 879 3,234 2,186 1,896 2,457 2,267 1,077 3,129 421 4,232	40 21 88 00 95 43 76 91 35 39
	26, 117 50		26, 117	50

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Item 3. To prevent domestic animals from running at large in the cities of Washington and Georgetown. Act Congress, February 21, 1871.

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Item 6. To prevent the introduction and spread of infectious and contagious diseases. Act legislative assembly, June 19, 1872.

Item 7. The draining of lots bordering on public or private sewers.

Act legislative assembly, August 21, 1872.

Item 8. Collection of garbage in cities of Washington and Georgetown, and suburbs thereof. Order of Commissioners District Columbia, March 19, 1875.

Item 9. The burial of deceased paupers. Order of Commissioners District Columbia, September 8, 1874.

Required for items 1, 2, 3, 4, 5, 6, and 7 Required for item 8	20,000 00
Required for item 9	

Very respectfully, your obedient servants,

T. S. VERDI,
C. C. COX,
J. M. LANGSTON,
D. W. BLISS,
JOHN MARBURY, Jr.,
Board of Health District Columbia.

The Hon. Commissioners,

District of Columbia.

#### 3.—REPORT OF THE SECRETARY.

DISTRICT OF COLUMBIA BOARD OF HEALTH, Washington, November 15, 1876.

SIR: I have the honor to submit herewith synopsis of the operations of the secretary's office for the year ending September 30, 1876:

Letters received	1,480
Replied to, by indorsement	458
Letters written and recorded	
Referred to health-officer	187
Other references.	2/1

Ninety-six meetings have been held during the year, and the proceed-

ings had at same duly recorded.

Copies of reports of special committees on the matter of the ventilation of the hall of the House of Representatives and the condition of Potomac water are presented herewith for publication, and attention invited to the same.

Very respectfully,

CHRIS. C. COX, M. D., Secretary.

T. S. VERDI, M. D., President.

#### 4.—REPORT OF THE TREASURER.

Washington, D. C., July 31, 1876.

SIR: I have the honor to submit herewith statement of receipts and disbursements for the fiscal year ending June 30, 1876, from appropriation by Congress, act March 3, 1875:

#### RECEIPTS.

	By Congress.	By District of Columbia.
July 24, 1875 Treasurer of the United States July 28, 1875 Treasurer of the District of Columbia		
Aug. 28, 1875 Aug. 29, 1875 Sept. 29, 1875 Sept. 29, 1875 Oct. 29, 1875 Treasurer of the District of Columbia Treasurer of the United States Oct. 23, 1875 Oct. 23, 1875 Oct. 23, 1875 Treasurer of the United States Oct. 23, 1875 Oct. 23, 1875 Oct. 23, 1875 Treasurer of the United States Oct. 23, 1875 Oct. 23, 1875 Treasurer of the United States Oct. 23, 1875 Oct. 29, 1876 Oct. 2	2,117 50 3,000 00 2,000 00 2,000 00 1,000 00 2,000 00 2,000 00 2,000 00 2,000 00 2,000 00 2,000 00	2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 45 2, 176 55

#### DISBURSEMENTS.

			Approp	riation.
Date.	To whom paid.	For wha paid:	By Congress.	District of Columbia.
1875.				
July 7	Washington Gas-Light Company	Gas		
	Caroline West	Washing		2 5:
	Allison Nailor, jr	Horse-hire		
	Alfred Gardiner	do		
	The Critic	Advertising		
	Chronicle Publishing Company	do		
	Evening Star	do	****	
	National Republican Hooe Bros. & Co.	Carpet-lining		
	Kennebec Ice Company			
	John C. Hogan	Awnings		
	L. Rice	Repairs		
	J. W. Burkart	Salary		
9	D. S. Jones	Postage		5 0
	Sunday Herald	Advertising		
	C. G. Thorn	Hose, pipe, &c		
13	J. C. Wall.	Postage		10 0
1.1	Georgetown Courier	Advertising		3 5
14	Thomas Tayler	Disinfectants		
15 27	W. D. Stewart Warren Choate & Co	Salary		

			Appropriation.	
Date.	To whom paid.	For what paid.	By Congress.	District of Columbia.
1875.				
July 27	C. Schneider W. H. & O. H. Morrison	Keys	84 75	
00	W. H. & O. H. Morrison	Books	12 50 10 00	
29	Pay of amployée	July 1875	2,694 48	
31	J. C. Wall Pay of employés James Miller Andrew Elliott	Postage July, 1875 Laborer	49 00	
	Andrew Elliott	do	49 00	
		do	52 50	
	Patrick Hawkins  J. C. McGinn	do	50 75	
	H. D. Beam	Salary	62 00 170 00	
Aug. 4	Caroline West	Washing	110 00	\$2.3
5	Caroline West Republican job-office Kennebec Ice Company	Printing Ice Forage Gas Rent	76 50	
6	Kennebec Ice Company	Ice	9 30	
	S. M. & H. C. Jones	Forage	11 22	
	Washington Gas-Light Company	Gas	2 25 110 00	
	I I Cleason & Co	Forage	20 03	
	Washington Journal	Advertising	3 50	
	H. F. Turner & Co	Advertising Transportation of offal		625 00
12	S.M. & H.C. Jones Washington Gas-Light Company Thomas C. Wilson J. J. Gleason & Co Washington Journal H. F. Turner & Co Lewis Allen Washington Tribune	Work	1 00	
	Washington Tribune	Advertising	1 50	
	II. Michaells	Repairs	4 50 7 35	
	H. Michaelis J. T. Springman W. M. Hall	Work Advertising Repairs do Labor	15 00	
13	Charles L. Hulse	Postage	10 00	
	Charles L. Hulse J. L. Ginek J. H. Weirick S. D. Castleman	Postage	30 00	5 00
20 24	J. H. Weirick	Postage	17 10	5 00
24	S. D. Castieman M. Foley George McKinney C. L. Hulse	Labor	1 50	
	George McKinney	Labordo	3 50	
27	C. L. Hulse	Postage	10 00	
	A. H. Whiting	Stationery	9 55	
01	Summerscales & Co	Stationery	12 00	
31	A. H. Whiting Summerscales & Co B. F. Freuch J. C. McGinn	Salary	245 50 62 00	
	A. E. Boone	Salarydododo	28 00	
	A, E. Boone John Wells Patrick Hawkins	Laborer	35 88	
	Patrick Hawkins	do	35 87	
	Andrew Elliott	do	35 87 35 00	
	James Miller J.C. Wall	Salary	116 67	
	Pay of employés Republican job-office S. M. & H. C. Jones H. F. Turner & Co Thomas C. Wilson	Salary		2, 746 9
Sept. 1	Republican job-office	Printing. Forage	66 00	
	S. M. & H. C. Jones	Forage	42 29 625 00	
2	Thomas C Wilson		110 00	
~	J. T. Springman Caroline West Kennebec Ice Company Washington Gas-Light Company	Rent Repairs Washing	12 45	
	Caroline West	Washing	12 45 2 34	
4	Kennebec Ice Company.	Ice	9 30	
	Washington Gas-Light Company	Gas Professional services	3 00 85 00	
15	A. K. Browne Odorless Excavating Apparatus Co	Night-soil barrels	535 68	
	R. W. Barker	Furniture	45 00	
17	R. W. Barker	Postage	10 00 100 00	
18	Gas Apparatus Company	Gas-machine	100 00	
24	G. L. Ruise Gas Apparatus Company. J. J. Bogan Charles B. Davidge. D.S. Jones Pay of employés.	Map	10 00 5 00	
	D. S. Jones	Messenger	5 00	3 00
29	Pay of employés	September, 1875 Salary	2, 658 32	
30	C. H. Snow F. P. Sawyer	Salary	100 00	1, 666 66
		Transportation of night-		1,000 00
	Georgetown Courier	Advertising		5 00
	Georgetown Courier Chronicle Publishing Company. Sunday Herald Edward Martin C. Sobwider	dodo		9 50
	Sunday Herald	do		8 00 66 60
	Edward Martin	Kepairs		2 9
	J. W. Roteler & Bro	Furniture		7 50
	C. Schneider J. W. Boteler & Bro Thomas C. Wilson	Rent		110 00
Oct. 2	H. F. Turner & Co.	Rent		625 00 47 99
	S. M. & H. C. Jones	Forage		47 99 40 50
	H. F. Turner & Co. S.M. & H. C. Jones Maine & Bro. Washington Journal	Advertising		7 00
		Forage. Horse-hire. Advertising. Washing. Postage. Salary.		2 59
	C. L. Hulse	Postage		10 00
	4 77 70	0.1		30 00

## REPORT OF THE BOARD OF HEALTH.

					Appropriation.	
Date.	To whom paid.	For what paid.	By Congress.	District of Columbia		
1875.	(1 P. Dowidso	C-1		4-		
)ct. 2	W A Roaman	Salary	\$13 00	\$7		
	J. W. Burkart.	do	5 00			
	Andrew Elliott	dodododododo	5 00 47 25			
	C. B. Davidge W. A. Beaman J. W. Burkart. Andrew Elliott Patrick Hawkins A. E. Boone. John Wells James Miller	do	45.50			
	A. E. Boone	SalaryLaborer	40 00 47 25			
	James Miller	Laborer	47 25			
	H. D. Beam	Professional services	110 00			
	H. D. Beam National Republican Republican job-office	Professional services Advertising Printing Printing Postage Salary Gas Stationery Salary Laborer Postage October, 1875 Repairs Rent Salary do	8 75			
	Republican job-office	Printing	62 00			
11	D S. Jones J. C. McGinn C. B. Davidge Washington Gas-Light Company A. H. Whiting	Solory		30		
12	C. B. Davidge	do		8		
	Washington Gas-Light Company	Gas		5		
22	A. H. Whiting J. W. Burkart	Stationery		120		
-00	J. W. Burkart	Salary		30 5 10		
23 26	William Ricks C. L. Hulse Pay-roll of employés G. C. Maynard Thomas C. Wilson D. S. Jones L. H. Wilson	Postage		10		
30	Pay-roll of employés	October, 1875		2, 040		
	G. C. Maynard.	Repairs		2, 040 102		
	Thomas C. Wilson	Rent		110		
	J. H. Weirick	Salary	150 00			
	O. II. WCIIICA	do	116 66			
	M. R. Hook	do	100 00			
	R. P. Brooks	do	75 00			
	M. R. Hook R. P. Brooks George W. Lane. Evening Star Company H. Michaelis S. M. & H. C. Jones	do				
	Evening Star Company	Advertising	8 25 2 75			
	S M & H C Jones	Forage	29 00			
	The Critic	Advertising	7 13			
	Kennebec Ice Company	Advertising	9 00			
	The Critic Kennebec Ice Company Thomas Taylor Warren Choate & Co	Disinfectant	13 00			
	Warren Choate & Co	Books	34 70 47 90			
	J. C. Parker D. Appleton & Co. J. T. Springman	Stationery	5 00			
	J. T. Springman	Repairs	16 90			
	William Rutherford Hooe Bros. & Co Capital Publishing Company.		1 10			
	Hooe Bros. & Co	Furniture	2 50 8 00			
	Republican job-office	Furniture Advertising Printing	42 50			
	Republican job-office. A. H. Whiting W. W. Burdette & Co. H. F. Turner & Co.	Stationery	18 00			
	W. W. Burdette & Co	Carpets	46 13			
	II. F. Turner & Co	Transportation of offal	625 00			
ov. 2	A. J. Joyce	Kepairs	94 50 28 00			
OV. 2	Patrick Hawkins	SalaryLaborer	45 50			
	A. J. Joyce J. W. Burkart Patrick Hawkins. John Wells	do	22 75			
	James Miller. A. Elliott	do	45 50			
	A. Elliott	do	45 00			
8	A. E. Boone	Salary	100 00 669 05			
0	Benjanin F. French H. D. Beam Odorless Excavating Apparatus Company	Professional services	60 00			
9	Odorless Excavating Apparatus Company	Night-soil barrels	263 04			
	W. B. Williams	Carnets	85 27			
	Amelia Elliott	Washing	2 52 131 25			
10	J C Porker	Stationery	55 13			
-	C. Schneider	Stationery Keys, &c Ice	4 50			
	Kennebec Ice Company	Ice	4 65			
15	Lewis Winter		50 00			
19 20	Odoriess Excavating Apparatus Company W. B. Williams Amelia Elliott Dickson & King J. C. Parker C. Schneider Kennebee Ice Company Lewis Winter R. W. Barker C. L. Hulsas	Postaga	93 00 10 00			
24	D.S. Jones	Repairs Postage Salary	150 00			
	J H Wairiek	do	116 66			
	C. L. Hulse	dodo	116 66			
	C. L. Hulse. M. R. Hook R. P. Brooks	do	100 00			
	George W Lane	dodo	75 00 45 00			
	Pay of employés	November, 1875		1 955		
	W. D. Mack	Services		1, 955 10		
26	George W. Lane. Pay of employés W. D. Mack. H. D. Beam	Services Professional services		120		
29	D. S. Jones John Wells	Postage		3		
30	Andrew Elliott	Small-pox service		24 36		

			Approp	riation.
Date.	To whom paid.	For what paid.	By Congress.	District of Columbia
1875.				
ov. 3)	Patrick Hawkius	Laborer	\$110 00	\$36
ec. 2	Thomas C. Wilson.	RentTransportation of offal .	625 00	
1	I. F. Turner & Co	Carpets	173 02	
	S. M. & H. C. Jones	Forage	37 77 19 11	
	Thomas C. Wilson H. F. Thrner & Co. J. W. McKnight S. M. & H. C. Jones J. L. Hewitt J. T. Springman A. E. Boone Republican job-office J. C. Hogan B. W. Reed & Son Amelia Elliott	Forage	19 11	
	J. T. Springman	Repairs	25 25	
4	A. E. Boone	Salary	100 00 37 00	
	Kephoncan Job-omco	Printing	14 00	
	B. W. Reed & Son.	Supplies	13 65	
	Ame'ia Elliott Chronicle Publishing Company Kennebec Ice Company	Washing Printing reports	2 34	
10	Chronicle Publishing Company	Printing reports	70 00	
	Kennebec Ice Company	Ice	4 50 10 00	
17	C. L. Hulse	Salary	50 00	
11	C. L. Hulse H. B. Fry R. P. Brooks Washington Gas-Light Company L. Rice D. S. Jones J. H. Weirick C. L. Hulse M. P. Hook	Salarydo	37 50	
	Washington Gas-Light Company	Gas and repairs	26 50	
	L. Rice	Repairs	8 06	
23	D. S. Jones	Salarydo	150 00 116 66	
	C. I. Hulos	do	116 66	
	M. P. Hook	do	100 00	
	M. R. Hook A. E. Boone G. W. Lane	do	100 00 100 00	
	G. W. Lane	do December, 1875 Postage Professional services	45 00	
	Pay of comployée	December, 1875		1, 729
	D. S. Jones. H. D. Beam	Postage		3 85
24	Andrew Elliott	Laborer		33
	Patrick Hawkins	do		31
`	Patrick Hawkins John Wells H. B. Fry	Small-pox service Salarydo		14
27	H.B. Fry	Salary	50 00	
	R. P. Brooks	do		
	I. Eisinger W. W. Burdette W. H. & O. H. Morrison	Matting Book	100 00 6 57 6 50	
	W. H. & O. H. Morrison	Book	6 50	
	H. I. Gregory	Repairs	26 00	
1876.	G T 77 1		05.00	
an. 3	C. L. Hulse A. E. Boone M. R. Hook J. C. Ray L. E. Dudley C. Schneider A. W. Barker W. Rapley S. M. & H. C. Jones J. T. Springman Georgetown Courier Kennebec Ice Company G. W. Lane	Salarydo	95 00 80 00	
	M. R. Hook	do		
	J. C. Ray	Repairs	5 45	
5	L. E. Dudley	Salary		32
_	C. Schueider	Repairs	2 50	
6	A. W. Barker	do	45 75 12 00	
	S. M. & H. C. Jones	Forage	24 18	
	J. T. Springman	Repairs	6 50	
	Georgetown Conrier	Repairs	10 00	
	Kennebec Ice Company	Ice Services	4 00	
0	G. W. Lane	Services	7 50 625 00	
8	Thomas C Wilson	Transportation of offal	110 00	
	G. W. Lane H. F. Turner & Co Thomas C. Wilson Frank Philp Awalis Elliott	Books	9.50	
			2 34	
	Washington Gas-Light Company. Republican job-office Samuel Bootes	Gas	9 00	
	Republican job-office	Printing	34 00	
	I. Fisinger	Draughting	250 00.	110
	C. L. Hulse	Salary Postage		10
15	J. C. Parker	Stationery	28 00	
	Sunday Herald.	Advertising	19 00	
	Union Printing Company	do	10 00	
	L. E. Dudley	Salary	18 00 44 00	
19	Washington Journal	Advertising	15 00	
22	W. H. Boyd	Salary Advertising Directories Advertising	15 00 15 00	
	National Republican	Advertising	20 25	
	Chronicle Publishing Company	do	21 25	
29	J. C. Parker Sunday Herald. Union Printing Company Capital Publishing Company. L. E. Dudley Washington Journal W. H. Boyd National Republican Cthronicle Publishing Company. L. E. Dudley H. F. Turner & Co. J. C. Ray C. L. Hulse	Salary Transportation of offal.	16 00 625 00	
~9	J. C. Ray	Repairs	5 90	
	C. L. Hulse B. F. French	Postage.	10 00	
	B. F. French	Blank books &c	628 40	
	Evening Star Company. Pay of employés	Subscription		

## REPORT OF THE BOARD OF HEALTH.

			Approp	priation.
Date.	To whom paid.	For what paid.	By Congress.	District of Columbia
1876. Feb. 2	H.D.D.			
Feb. 2	H. D. Beam J. C. Ray Andrew Elliott	Professional services	\$60 50	
0	Andrew Elliott	Repairs	2 45 39 00	
	John Wells	Small-pox service	25 50	
	John Wells W. H. Hawkins L. H. Schneider	Laborer	37 50	
5	L. H. Schneider	Lock	4 75	
	Kennebec Ice Company Washington Gas-Light Company Thomas C. Wilson	Tee	4 65	
	Washington Gas-Light Company	Gas. Rent. Printing.	6 50	
	Thomas C. Wilson	Rent.	110 00	
	Republican job-omce	Printing	62 50	
6	Thomas C. Wilson  Republican job-office S. M. & H. C. Jones Annella Elliott J. H. Weirick J. T. Springman  The Critic A. H. Whiting H. R. Miles C. L. Hulse Do. Do.	Forage	27 82	
8	J. H. Weirick	Washing Postage.	3 00	83
14	J. T. Springman	Repairs		Ç0
	The Critic	Advertising	3 25	
	A. H. Whiting	Stationery	20 05	
	H. R. Miles	Repairs	16 00	
	C. L. Hulse	Postage	10 00	
16	Do	do	24 20	
19	T. D. Hadlow	Repairs Advertising Stationery Repairs Postage do Solory	10 00	52
29	L. B. Hadley Pay of employés Andrew Elliott	Salary February, 1876 Laborer		2, 211
Iar. 1	Andrew Elliott	Laborer	29 25	2, 211
	John Wells	do	43 50	
	Patrick Hawkins	Printing Oil	30 75 71 68	
2	D. C. Forney. William Rutherford	Printing	71 68	
3	William Rutherford	Oil	1 22	
		Repairs	9 88	
	S. M. & H. C. Jones	Forage	22 17	
4	B. F. French. H. F. Thyper & Co. Thomas C. Wilson J. H. Bradley	Stationery Transportation of offal	40 50 625 00	
1	Thomas C. Wilson	Rent	110 00	
	J. H. Bradley	Professional services	150 00	
8	H. D. Beani	do	45 00	
10	Republican job-office	Printing Gas Repairs Washing	76 00	
11	Washington Gas-Light Company	Gas	5 00 1 00	
		Repairs	1 00	
	Amelia Elliott	Washing	1 44	
	Kennebec Ice Company	100	4 35 3 00	
	William Wilcowan	Ice Small-pox service	5 75	
18	George W. Lane	Repairs	4 25	
, ,	William F. Gibbons	Towels	8 00	
	A. W. Lane Amelia Elliott Kennebec Ice Company. Allen Jones. William Wilcoxen George W. Lane William F. Gibbons. A. R. S. Foote	Salary	50 00	
25	D. Oachsoll.	gervice)	1 82	
	Mayfield & Heister	Fuel	2 62	
31	J. H. Weirick	Postage	9 011 66	
01	M P Hook	Solomy	100 00	
	Pay of employés M. R. Hook G. H. Reid	Fuel Postage March, 1876 Salary do	100 00	82
	I E R Blica	do		83
	W. H. Chase H. D. Beam Thomas C. Wilson	do		72
	H. D. Beam	Professional services		67
	Thomas C. Wilson	Rent		110
	H. F. Turner & Co George W. Lane	Transportation of onal		625
pr. 3	D. S. Jones	Professional services Rent Transportation of offal Repairs Postage Salary, laborer do O Printing		2 2
1,1.	W. H. Hawkins	Salary laborer		21
	Andrew Elliott	do		21
	Andrew Elliott John Wells	do		34
4	R. Beresford Perry Brothers			3
		Flannel, (small-pox serv- ice.)	••••••	5
	J. T. Springman	Kepairs	•••••	3
	G. C. Maynerd	Popular Popular		2
	J. D. McGill G. C. Maynard W. J. Murtagh	Printing		63
	S. M. & H. C. Jones	Forage		24
8	S. M. & H. C. Jones M. Shea Amelia Elliott.	Filling lots		46
	Amelia Elliott	Washing		1
10	C. L. Hillse	Postage		10
	Washington Gas-Light Company	Gas		6
	Kennebec Ice Company	ice.) Repairs Subscription Repairs Printing Forage Forage Filling lots Washing Postage Gas. Lee Matches		4
13	B. W. Reed & Co William Whalen	Matches	************	9 5
1.0	William Whalen	Gas-utting		9

			Appro	priation.
Date.	To whom paid.	For what paid.	By Congress.	District Columbi
1875.		-		
Apr. 20	D. S. Jones	Postage		82
21	Allen Jones	Vaccine virus		1
	H. A. Martin & Son William McLean	Lumber		
	Robbins & Lewis	Vaccine virus		
	J. C. Parker	Stationery		26
	J. McDermott & Brother	Repairs		35
	J. C. Parker	Stationery		16
25	C. L. Hulsa	Stationery Postage		10
29	W. J. Murtagh	Printing	1	66
	W. H. Chase	Washing Salary Books		
	D. Appleton & Co.	Page Page		3
	Pay of pound-men			78
	Pay of employés	do do		2, 41
	H. D. Beam J. T. Springman	Professional services	880 00	~,
	J. T. Springman	Repairs	32 95	
	Thomas C. Wilson S. M. & H. C. Jones	Rent	110 00	
	S. M. & H. C. Jones	Forage	27 32	
	H. F. Turner & Co	Transportation of offal	625 00	
ay 4	Ben. F. French. H. A. Martin & Son.	April 1876 do do Professional services Repairs Rent Forage Transportation of offal Stationery Vaccine virus Blank books	120 60	2
,	Ben. F. French	Blank books		26
5	Washington Gas-Light Company	Blank books		20
	Western Union Telegraph Company	Telegrams		1 9
12	I) & Topos	Postage		9
	Evening Star Company A. H. Whiting J. C. Hogan			1
13	A. H. Whiting	Stationery Awnings Postage Repairs Sundries		1-
10	John Marbury, jr	Awnings		1
	C. Schneider	Postage		10
19	Jno. Keyworth & Bro	Sundring		1
23	H. Hammerselag	Fixtures		1
	Dickson & King W. J. Murtagh	73 1		
26 29	W. J. Murtagh	Printing		50
29	Pay of employés	May, 1876	2, 455 08	
31	Pay of pound-men H. D. Beam	do	160 00	
ine 2	D. S. Jones	Printing May, 1876do Professional services	35 00 5 00	
5	Thomas C. Wilson	Postage Rent	0 00	
	D. S. Jones. Thomas C. Wilson J. T. Springman	Renairs	11 50	
	S. M. & H. C. Jones	Repairs	25 27	
6	S. M. & H. C. Jones H. F. Tarner & Co.	Transportation of offal		623
6		Ice	6 84	
12	Washington Gas-Light Company D. S. Jones			
1	Amelia Elliott	Postage	5 00	
14	Edward Martin	Renairs	39 00	
19	D. S. Jones	Postage	7 00	
21	The Sanitarian	Gas Postage Washing Repairs Postage Subscription	2 25	
93		do	1 75	
25	B. F. French H. F. Turner & Co.	Stationery Transportation of offal	60 00	625
	Pay of employee	Transportation of offal		2, 511
29	Pay of employés Thomas C. Wilson S. M. & H. C. Jones	June, 1876 Rent. Forage	100.00	2, 511
30	S. M. & H. C. Jones	Forego	109 20	31
1		Professional comicos		105
	Pay of pound-men	June 1876		214
dy 3	J. T. Springman	Repairs		17
-0	Pay of pound-men J. T. Springman W. J. Murtagh D. S. Lores	Printing		50
5	D. S. Jones	Postage		7
	Washington Gog Light Comme	Professional services June, 1876. Repairs Printing Postage Lumber		2
7	N. B. Fugitt Washington Gas-Light Company Kennebec Ice Company J. C. Parker			9
24	J. C. Parker	Stationory		4
- 1	C. Schneider	Stationery Repairs		i
		mino		
1	Totals		26, 117 50	26, 117
	Total appropriation for fiscal year		\$52, 2	35 00

Vouchers for all expenditures as itemized above have been forwarded to the proper accounting-officers of the Government.

Very respectfully.

JOHN MARBURY, JR., Treasurer.

Audited and found correct:

J. M. LANGSTON. D. W. BLISS. Committee.

Dr. T. S. VERDI. President Board of Health.

#### 5.—REPORT OF REGISTRAR OF VITAL STATISTICS.

OFFICE OF REGISTRAR, BOARD OF HEALTH, Washington, D. C., October 1, 1876.

GENTLEMEN: I present herewith my second annual report since the enforcement of the regulations governing the subject of vital statistics in the District of Columbia, which, in my judgment, has secured a full and correct record of deaths and interments of the dead, and a more nearly correct record of births and marriages, than is secured in other localities in this country less favored by comprehensive legislation and legal control of this subject.

I am gratified to notice that the importance of vital statistics is becoming more fully appreciated in this community, as the requirements of the laws governing the subject are secured, and the invaluable data for testamentary evidence and protective measures against the incursion

of preventable disease are placed within reach of the people.

Your attention is respectfully invited to the accompanying tables, which present a full and complete statistical record of the births and marriages reported to this office, and the total mortality for the year ending September 30, 1876.

Table No. 1 exhibits the total number of births reported during the past year, which was 4,285, (370 more than were reported last year.)

Of this number 55 were twin births—32 white and 23 colored.

Of the whole number, 2,568 were white and 1,717 colored; 2,184 were males and 2,101 females, of which 1,290 were white males, 1,278 white females, 894 colored males, and 823 colored females. The percentage of births to the total population was 2.678, or at the rate of 26.781 per 1,000, an increase of 2.234 per 1,000 over last year.

The percentage of white births to the white population was 2.223, or at the rate of 22.330 per 1,000, while the percentage of colored births to the colored population was 3.815, or at the rate of 38.155 per 1,000, which exhibits the fact that the percentage of births (reported) of the colored population was 1.582 per cent. in excess of the white. This comparative increase in the number of births (reported) may be attributed, first, to the natural growth of the District, and, second, to the more rigid enforcement of the regulations governing this subject.

Table No. 2 exhibits the total number of still-births for the year by sex and color, with percentages, and also the number by sex and color per 1,000 inhabitants. The number of still-births reported was 379, (9 less than last year,) of which number 143 were of white parentage, and 236 of colored. The same causes and conditions obtain to produce these results, which were fully set forth in my last annual report, and they can only be remedied by a liberal education of the masses to a higher standard of social life and a strict compliance with sanitary regulations,

Table No. 3 exhibits the total number of certificates of marriages received in this office for record during the year, with percentages by color, also number per 1,000 inhabitants. There were received 752 certificates, (58 more than last year,) of which number 348 were white and 404 colored. This number probably represents not more than one-third of the whole number of marriages solemnized in the District during the year, again exhibiting the mortifying fact that the clergy are neglectful of an important duty, involving the interests not only of the contracting parties, but of the public generally, and will not comply with the requirements of the law unless compelled by its stern enforcement.

The total number of deaths registered for the twelve months ending September 30, 1876, was 4,246, (106 less than last year,) being 2.654 per cent. of the total population, or 26.537 per 1,000. Of this number, 2,153 were white, being 1.872 per cent. of the white population and 50.706 per cent. of the total mortality, and 2,093 were colored, being 4.651 per cent. of the colored population and 49.294 per cent. of the total mortality.

Of the whole number, 1,137 were white males, 1,016 were white females, 1,041 were colored males, and 1,052 were colored females.

Table No. 4 exhibits the total mortality from all causes during the year by classes and orders in each period of life, showing nativities, color, sex, and percentage of each disease, class, and order to total mortality.

By reference to this table it will be observed that the number of deaths from zymotic causes was 1,057, (48 less than last year,) 6.066 per 1,000, or 24.894 per cent. of the total mortality, a remarkably low rate from these causes when compared with that of other cities where correct record of deaths is obtained; and, notwithstanding the natural increase of population, there is a gratifying reduction of deaths from these causes as compared with last year, which, in my judgment, is largely attributable to the rigorous enforcement of sanitary laws.

The number of deaths from miasmatic disease, order No. 1 of this class, was 930, 21.903 per cent. of the total mortality, and 5.812 per 1,000 inhabitants. Of the deaths from this cause, 511 were white, or 0.444 per cent. of the white population, and 419 were colored, or 0.931 per cent. of the colored population, again showing more than double the relative proportion of deaths from this order among the colored population. The total number of deaths from constitutional diseases was 947, (16 more than last year,) 22.303 per cent. of the total mortality, or 5.919 per 1,000 inhabitants. Of this number, 451 were white, or 0.391 per cent. of the white population, and 496 were colored, or 1.122 per cent. of the colored population, showing that in this community there is nearly three times as large a percentage of deaths from constitutional maladies among the colored as among the white population.

The total number of deaths from local diseases was 1,688, (38 less than last year, (39.755 per cent. of the total mortality, or 10.550 per 1,000. Of this number, 856 were white, or 0.744 per cent. of the white population, and 832 were colored, or 1.849 per cent. of the colored population. The greaternumber of deaths occurring in this class was from causes enumerated in orders nervous, respiratory, and digestive, which together were 1,433,or 84.888 per cent. of the total mortality in this class.

The total number of deaths from causes classified under developmental was 436, (2 less than last year,) 10.269 per cent. of the total

mortality, or 2.725 per 1,000. Of this number, 229 were white, or 0.199 per cent. of the white population, and 207 were colored, or 0.460 per cent. of the colored population. The total number of deaths from violence was 118, (34 less than last year,) 2.779 per cent. of the total mortality, or 0.737 per 1,000. Of this number, 54 were white, or 0.047 per cent. of the white population, and 64 were colored, or 0.142 per cent. of the colored population. Among the more prominent causes of death in this class were drowning, burned by coal-oil accidents, and neglect at birth, making in the aggregate 52 deaths from these causes, or 44.068 per cent. of the total mortality from this class.

Table No. 5 exhibits the totals of the several classes and orders, showing white and colored, male and female, nativity, and ages of decedents,

and is arranged for convenient reference.

Table No. 6 exhibits the total mortality in classes, by months, quarters, and for the year, showing, by sex and color, the age of decedents, social relations, nativity, duration of residence in the District of Columbia, and duration of last sickness, also a grand aggregation of the number of deaths in all classes, monthly, quarterly, and annual.

It will be observed by reference to this table that the greater number of deaths from zymotic diseases occurred during the months of June, July, and August, being 547, or 51.845 per cent. of the total deaths from

this class.

The greater number of deaths from constitutional causes occurred during the months of February, June, and July, being 289, or 30.507 per cent. of the total mortality from this cause, although the difference in the number of deaths from this class of diseases in the several months is not great; it is noticed, however, that the largest number occurred during the months which ushered in the extreme cold and extreme warm weather of the year. The largest number of deaths from local diseases occurred during the months of March, April, and July, being 540, or 32.000 per cent. of the total mortality from this class of causes, of which the large preponderance was from diseases of the respiratory organs, during the months of March and April; and of diseases involving the digestive organs, during the month of July. The largest number of deaths from the class developmental was during the months of March, June, and July, being 161, or 37.066 per cent. of the total mortality from this class. This number is largely represented by the deaths of the extremely old and of new-born infants.

The largest number of deaths from violence occurred during the months of May and July, being 32, or 27.119 per cent. of the total mor-

tality from this cause.

Table No. 7 is a recapitulation by classes, by sex, and color, in each period of life, with percentages.

Table No. 8 exhibits the total mortality by classes and orders, by sex

and color, and by months, quarters, and the year.

Table No. 9 shows the mortality from diarrheal diseases, by sex and color and age of decedents, with percentages. The number of deaths from these causes was 506, (51 more than last year,) 11.917 per cent. of total mortality from all causes. Of this number, 456 were under 5 years of age, being 90.119 per cent. of total mortality from this cause; 341 were children under 1 year of age, or 67.391 per cent. of the mortality from the same cause; 99 were children from 1 to 2 years of age, and 15 from 2 to 3 years; showing how large a proportion of the deaths of children under 5 years of age is caused by diarrheal diseases, being 47.870 per cent. of the total deaths from zymotic diseases.

Table No. 10 exhibits the mortality of children under five years of

age from all causes, with percentages. The total number of deaths in this period of life was 2,064, (123 less than last year,) 48.610 per cent. of the total mortality for the year. Of this number, 884 were white, or 0.769 per cent. of the white population, and 1,180 were colored, or 2.622 per cent. of the colored population; showing that a great preponderance of the deaths of children under five years of age occurs among the

colored population.

Table No. 11 exhibits the number of deaths from phthisis pulmonalis by months, showing nativity, color, age, sex, and duration of residence in the District of Columbia, percentage of mortality in each period of life by sex and color to the mortality from this disease and to the total mortality from all causes. The whole number of deaths from this cause was 595, (16 more than last year,) or 14.013 per cent. of the total mortality, and 3.718 per 1,000 inhabitants; 149 were natives of the District of Columbia, 376 of other parts of the United States, and 79 were foreign-born; 306 were white and 289 colored; 285 were males and 310 were females; 33 had resided in the District of Columbia less than one year, 140 less than five years, 120 from 5 to 10 years, 154 from 10 to 20 years, and 32 unknown. The greatest number of deaths from this cause occurred during the months of February and April, and the greater mortality was between the ages of twenty and twenty-five years, being 89, or 14.958 per cent. of the total mortality from this cause.

Table No. 12 exhibits the daily mortality, by sex and color, during the year. By reference to this table it will be observed that the greatest mortality in any one day was 42, which occurred on July 10, and the least number, viz, 3, occurred on the 15th of April. The gradual but steady reduction, year by year, of the death-rate in the District of Columbia, and especially so from zymotic or preventable diseases, since the inauguration by the board of its thorough system of sanitary labor, can but be gratifying to our citizens as well as to the whole country, and is a monument to the faithful and skillful labors of the board of health,

and their accomplished corps of employés.

The people of the District have enjoyed a remarkable immunity from epidemics of every character during the past year. The careful system of isolation enforced by the board in all sporadic or imported cases of contagious diseases, together with the system of inspection of premises and warning to families afflicted with infectious diseases, insures exemption from the general prevalence in this community of maladies of this character, and exhibits the great value of an efficient sanitary organ in aggregated communities, and especially so in a cosmopolitan

city like the capital of the nation.

A peculiar duty rests upon Congress in the exercise of its authority over the people of this District in enacting suitable sanitary laws, and sustaining by liberal appropriations the authority charged with this important branch of municipal government. With any less effective provisions than these, the invasion of the seat of Government by a formidable epidemic would result in serious disaster to the interests of the state. As evincing the relative success resulting from the sanitary system of our board during the past year, compared with that of the previous year, we find that for the nine months ending June 30, 1876, there were 192 less deaths from all causes than for the same period during the year 1875. According to this ratio, there should have been a decrease during the three months immediately succeeding, (viz, July, Angust, and September, 1876,) of 64 deaths; while, in fact, there was an increase of 86, owing, it is believed, to the limited appropriation by Congress

which necessitated a reduction of the sanitary force to one-half its original number.

It is to be regretted that, in consequence of the small appropriations available for the use of this office for the present fiscal year, I am unable to present with this report a chart illustrating the actual daily mortality from all causes, and from phthis pulmonalis and diarrhœal diseases, in the District, for the year, with meteorological observations for the same period. I have, however, presented the daily mortality in

Table No. 12 as the best means of remedying this defect.

The present clerical force in my office is inadequate to perform the duties imposed by Congress upon the board of health, viz, to make a full and correct record of vital statistics. It being impossible to transact the current business of the office, and record the births, marriages, and deaths, I have adopted the temporary plan of filing the certificates received, keeping an index for reference to the same, and trust that in the near future more liberal appropriations may render it possible for the registrar to discharge the duties imposed by law.

Very respectfully,

D. W. BLISS, M. D., Member of the Board of Health and Registrar of Vital Statistics. The Hon. Board of Health, District of Columbia.

Table No. I.—Report of births in the District of Columbia for the twelve months ending September 30, 1876.

		White.			Colored		17	Tv	vin-bir	ths.
Month and year.	Male.	Female.	Total.	Male.	Female.	Total.	Grand total.	White.	Colored.	Total.
October, 1875.	107	104	211	65	58	123	334	2 4	2 2 4	4
November, 1875	98	98	196	60	59	119	315	4	2	6
December, 1875	110 114	127 127	237 241	62 87	59 90	121	358 418	2 2 3	2	
February, 1876	128	118	246	91	73	164	410	3	3	6
March, 1876.	107	102	209	82	88	170	379	2		6 2 3 6
April, 1876	85	105	190	71	79	150	340	2 3		3
may, 1870	99	94	193	74	73	147	340	2	4	6
June, 1876	93	112	205	81	60	141	346	4	1	â
July, 1876	94	101	195	76	60	136	331	3	3	6
August, 1876	140	108	248	72	63	135	383	2	1	3
September, 1876	115	82	197	73	61	134	331	3	1	4
Total	1, 290	1, 278	2, 568	894	823	1, 717	4, 285	32	23	*55
Percentage to total births by sex and color	30, 105	29. 825	59. 930	20. 863	19. 207	40. 070	100. 000			
population by color and sex	1, 122	1, 111	2, 233	1. 987	1.829	3. 816	2. 678	. 028	. 051	. 034
Births per 1,000 inhabit										
ants	11. 217	11. 113	22, 330	19.866	18. 289	38. 155	26. 781	. 278	. 511	. 344

<sup>\*</sup> Included in the total number of births.

Table No. II.—Report of still-births in the District of Columbia for the twelve months ending September 30, 1876.

		White.			Colored		
Month and year.	Male.	Female.	Total.	Male.	Femalo.	Total.	Grand total
October, 1875	9	9	18	15	4	19	37
November, 1875	6	10	16	13	5	18	34
December, 1875	10	6	16	12	10	22	38
January, 1876	5	6	11	8	14	22	33
February, 1876		2	7	5	11	16	23
March, 1876		2	8	16	11	27	35
April, 1876	3	4	7	9	10	19	26
May, 1876	4	9	13 8	7 7	9	16	29
June, 1876	10	1	16	15	15 13	22 28	30
July, 1876		4	10	7	6	13	44 22
August, 1876	10	4	14	8	6	14	28
Total	82	61	143	122	114	236	379
Percentage to total still-births by sex and	21, 636	16, 095	37, 731	32, 190	30, 079	62, 269	100, 000
Percentage of still-births to population by	A1. U00	10.000	01, 131	17m 130	100.013	U. 403	100.000
color and sex	. 071	. 053	. 124	. 271	. 253	. 524	. 237
Still-births per 1,000 inhabitants	. 713	. 530	1. 243	2. 711	2, 533	5, 244	2, 368

Table No. III.—Report of marriages in the District of Columbia for the twelve months ending September 30, 1876.

Month and year.	White.	Colored.	Total.
October, 1875  November, 1875  December, 1875  December, 1875  January, 1876  February, 1876  March, 1876  April, 1876  May, 1876  July, 1876  July, 1876  July, 1876  July, 1876  September, 1876	28 41 24 27 39 37 14 19 30 20 49 20	48 42 44 44 21 39 22 38 20 20 33 33	76 85 66 77 66 77 36 55 54 46 85
Total	348	404	759
Percentage to total marriages by color	46. 277 3. 026	53. 723 8. 978	100. 000 4. 700

TABLE No. IV.

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, The Twee Movems Samuel September 30 1876

	Und	Under I month.	mont		I to 4 months.	t mo	nths.		4 to 8 months.	mom	ths.	30 20	S to 13 months.	nont	ps.	1 to	I to 2 years.	ears.		2 to 3 years.	3 yes	rs.	<b>6</b>	3 to 4 years. 4 to 5 years.	ars.	to	<b>5</b>
Cause of death.	W.		C.	-	W.	-	C.	1	W.		C.	W.		c.	1	×	-	5	-	W.	_	c.	¥.	-	5	Ĭ.	C.
	M.	Fi	K.	元	M. F	F. M	M. F.	. M.	E	M.	Fi	M.	E.	K.	E	M.	E.	M. F	F.	M. F.	W.	E	M. F.		M. F.	K	F. M. F.
CLARS I.—ZYMOTIC. Order 1.—Miasmatic. Cholera infautum Cholera infautum Cholera infautum Cholera infautum Diarrhea Diarrhea Disputeria	4 00	4 0 14	10   G1   H 10		g   n	7 2 1 1 10	10 14 11 11 11 11 11 11 11 11 11 11 11 11	62 4- 4 - 1	2 -0-0-	2 1 1 2 1 2	20 10 10 10 10 10 10 10 10 10 10 10 10 10	6 8411 1 1 1	<u> Б</u> ннинн н н н	9 9 9 9 9 9 9 9 9	4   12   14   14   1   1   1   1   1   1   1	ରୀ ଓୟନପଥଥ ।   ୟ   ସ   <del>୮</del>	φ ινακακα ια ι ιν π · · · · · · · · · · · · · · · · · ·	4 : -10 : :0 : :0 : : : : : : : : : : : : : :			65 1-100 100-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	8   -   -   -   -		(0) (0) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1			
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Order 2.—Enthetic or inoculated. Syphilis Syphilis, (congenital)		:-	Ct				G\$	G.		Gt Ct					-			:-	1					G\$	::		
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CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, TABLE No. IV-Continued.

MONTHS ENDING SEPTEMBER 3	TWELVE MONTHS ENDING SEPTEMBER 3	OR THE TWELVE MONTHS ENDING SEPTEMBER 3	HISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 3
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MONTHS	TWELVE MONTHS	-	FOR 7
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30 to 35 years.	W.	F.		9	:: :
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25 to 30 years.	W.	E	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7	
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20 to 25 years.	W.	M.		4	
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Total under 5 years.	C.	M.	69 4 4 6 8 8 8 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	173	6 6
tal und	W.	고	88 - 121 - 12	173	
To	-	M.	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	184	
	Cause of death.		CLASS I.—ZYMOTIC. Order I.—Miasmatic Cholera infantum Cholera norbus Choup Distribut Dipthheria Dipthheria Distribut Distribut Choup Distribut Distribut Choup Distribut Distribut Choup Distribut Choup Distribut Choup	Total miasmatic diseases	Order 2.—Enthetic or inoculated. Syphilis (congenital) Total enthetic or inoculated.

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, TABLE No. IV-Continued.

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<b>4</b> 07		E.		3	
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Ponco of Books	Cause of acath.		CLASS I —ZYMOTIC. Order II—Masmatic. olders informum. olders morbus. over. phthoria phthoria phthoria phthoria phthoria presenter, p	Total miasmatic diseases	Order 2.—Enthetic or inoculated. Syphilis Syphilis, (congenital) Total enthetic or inoculated
	40 to 45 years. 45 to 50 years. 50 to 55 years. 55 to 60 years. 60 to 65 years. 65 to 70 years.	50 to 55 years.     55 to 60 years.     60 to 65 years.     65 to 70 years.     70 to 75 years.       W.     C.     W.     C.     W.     C.     W.     C.	40 to 45 years.       45 to 50 years.       50 to 55 years.       55 to 60 years.       60 to 65 years.       65 to 70 years.       70 to 75 years.         W.       C.       W.       <	M.   F.   M.	W.         C.         W.         E.         M.         F.<

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, TABLE No. IV-Continued.

			KEGH	Sirk	200		ı	1	A E	IONI	IIS E	NDIN	G SE	PTEN	REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.	30, 18					1			1		1	1	1
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Cause or death.	W.	c.	¥.	_	5	₩.	-	5	W.	۲.	<u>ن</u>	-	₩.	c.	W.		Ö		₩.		ű		.≅		5.	₩.		c.
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Crass I.—ZYMOTIC.  Order 1.—Miasmatic. Cholera infantum Cholera morbhs Cholera morbhs Diarrinea Diphtheria Diptheria Dispentory Bricen-colids Fever, bilious Fever, congestive Fever, congestive Fever, ceralitett Fever, creatiett Fever, creatiett Fever, creatiett Fever, creatiett Fever, tranitent Fever, congestive Fever, tranitent Fever, traniten															g 1- 4 gr   p   u   -	G\$ 10		8 51852800 518540011111 8	∞ ∃34∃ ; ; ; 6434 ; ; ; ; ; ;	9 4 44 ; 4 ; ; ; ; ;	61 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		64 16 14 15 16 14 14 14 14 14 14 14 14 14 14 14 14 14		H 03 H H 03			
Total miasmatic diseases	1:	-	1:	-	<u>                                   </u>					1:	-	1:	:		31	21 12	16	7 294	4 218	8 197	181	63	=	4	1-	-	2   2	CS
Order 2.—Enthetic or inoculated. Syphilis Syphilis, (congenital) Total enthetic or inoculated													1111				्र   st			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	26 1		-   -					

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	ia.	1	E	65 88 88 88 88 88 88 88 88 88 88 88 88 88	167	61.
	District of Columbia.	c.	W.	19 848844 88888444 88 11 10	166	
	et of C		1	65 64 112 112 112 112 112 112 112 112 112 11	190	
	Distri	W.	M.	85 81 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	202	
		Cause of death.		CLASS L.—ZYMOTIC. Order 1.—Miasmatic. Cholera infantum Cholera norbus. Cholera norbus. Cholera norbus. Diphtheria. Diphtheria. Diphtheria. District. Cholera. District. District. Cholera. District. District. Cholera. District. Cholera. District. Cholera. C	Total miasmatic diseases	Order 2.—Enthetic or inoculated. Syphilis

	Unde	REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.  Under I month. I to 4 months. 4 to 8 months. S to 12 months. I to 2 years. 2 to 3 years. 3 to	RI	REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.  Inth. I to 4 months. 4 to 8 months. 8 to 12 months. I to 2 y	TERED FOR THE	mon	ths.	4 t	o S n	4 to S months.	20	3 to 1	S to 12 months.	onth	1	I to 2 years.	yea	TS.	C\$	to 3	2 to 3 years.		3 to	3 to 4 years. 4 to 5 years.	ris.	to #	yea
Cause of death.	¥.	-	o.	-	``	_	c.	=	W.	c.		₩.	-	c.	-	₩.	_	5		₩.	c.	1.	¥.	_	C.	`.	2
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CLASS I.—ZYMOTIC. Order 3.—Dietic. Alcoholism { Intemperance   Interperance   Int	ω	ro	· m	9	9	10	-			14	::=:	61	Ct		:::-			4	1111			1 :- 1	1 1 1 1		::::		
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Order 4.—Parasitic. Aphthæ Worms	m :		œ ;	-	1 :		-:	-		-		- : :		: :	CN	C5 :	- :								::		
Total parasitic diseases	ا د		00	:	-		1	-		-		-		-	63	C\$	-						:				:
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CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, TABLE No. IV-Continued.

	Total	Total under 5 years.	ler &		to	10 y	ears.	7	5 to 10 years. 10 to 15 years. 15 to 20 years. 20 to 25 years. 25 to 30 years.	15 y	ears.	15	to 2	0 ye	ars.	03	to 25	5 yea	ž.	25 t	030	year		30 t	30 to 35 years.	10	35	35 to 40 years.
Cause of death.	¥.	-	2	-	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-	C.		W.	_	0.	-	W.		C.	-	W.	C.		W.	_	C.	-	≽	o.	+-	ĕ.	
	M.	F.	M.	F.	M. E	F. M.	E4	Ä	124	K	14	K	E	K	1	K.	E	K	E4	M.	Fi	M.	F.	M. F.	K	E	M. F.	M. F.
CLASS I.—ZYMOTIC. Order 3.—Dictic. Alcoholism { Intemperance Distriction Deliction Deliction Transition Purpura hemorrhagica.	20	:=:	: :61	8	1111					1111						i i i i				- :	- i i-		- : : : :		1111		1 1 1	- ::
Total dietic diseases	21	11	13	83					-											-	G2		-	:	:		-	1
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CLASS II.—CONSTITUTIONAL.  Order 1.—Diathetic. Annastrea. Annastrea. Cancer, axilla. Cancer, bladder Cancer, breast Cancer, breast Cancer, lieum Cancer, glaeum		-	-	63				61						-											i-::::::::::::::::::::::::::::::::::::			H

CONSOLIDATED ABSTRACT OF DEALHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, Registreed for the Twedve Months ending September 30, 1876.		8811	RAC	STERF	D FO	R TH	E T	WELVI	E M	REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.	S ENI	OING	SEPT	F. CEMBE	1 30 11 30	187	20										
	40 to 45 years. 45 to 50 years. 50 to 55 years. 55 to 60 years. 60 to 65 years.	45 3	ears.	45	to 5(	) year	T.S.	50 to	55	years	. 55	to 6	0 ye	ars.	9	So <b>6</b> 5	year	35	55 to	703	ears.		70 to 75 years.	13.	-	75 to S0 years.	Ø 2
Cause of death.	W.	-	c.	=	W.	c.	1	Ä.	-	c.		W.		. c	W.	-	c,		₩.		c.	=	W.	2	=	W.	c.
	M. F	F. M.	F.	K K	표	M.	E.	M. F	F.	М. F.	M.	된	M.	F.	M.	E.	M.	F.	M. F	F. M	M. F.	M.	F	M. I	F. M.	Œ	M. F.
CLASS I.—ZYMOTIC. Order 3.—Dictic. Alcoholism { Intemperance Interpretation Inter				:				- : : : :					1111				; <del>-</del> ; ;										
Total dietic diseases				C.S				:									-	: 				1		-	1:	1	<u>                                   </u>
Order 4.—Parasitic. Aphtha Worms					::				11					::			::					::	1	1	1 ::	::	::
Total parasitic diseases												1:		1:	1		1:	-		1:				1:	:	1:	1
Total zymotic class	4	3	2	7.3	4	9		6	4		7.0	C\$	-	-	CS.	m	20	-	0.5	m	63	1 20	-	C5	:	CS	11:
CLASS II.—CONSTITUTIONAL. Anemia Analia Anasarca Anaera xilla Cancer, breast Cancer, cancer Cancer, cancer Cancer, cancer Cancer, cancer Cancer, cancer		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												-:::-:::		-											

REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.

	2000	S0 to 85	_	S5 to 90	6	90 to 95		95 to 100		Above 100	010	-				Œ.	OCIAL	REL	SOCIAL RELATIONS.	υć				
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Cause of death.	W.	c.	₩.	ပ်	W.		c,	W.	c.	W.			W.	<u>ن</u>		W.	C.		Ä.		5	=	W.	ت ت
	M. F.	M. F.	. M. F.	M. F.	M. F.	E. M	M F. M	M. F. M	M. F.	M. F.	M. F.	F. M.	M. F.	M. I	F. M.	표	K.	124	M. 1	F.	M. F.		M. F.	M. F.
CLASS I.—ZYMOTIC. Order 3.—Dieto. Alcoholism { Delirium tremens. Inanition. Purpura hæmorrhagica.				: : : :	::::		1111		1111		-::::	::	i cos	63	1 61 62	- =-	13	8				::		
Total dietic diseases					:		1			:   :		35	0.5	35	33	13	13	23	-			CS		
Order 4.—Parasitic. Aphthæ Worms		::			1 ::		1 ::				;;				10	6	10	4				::		
Total parasitic diseases				:			1			:   :		<u> </u> 			5	8	Ξ	4	:			1	1	
Total zymotic class		1	1	;			1		-	<u>:</u>    <u>:</u>	:	33	8	30	7 252	235	232	230	C\$	12	7	က	8	Cs
CLASS II.—CONSTITUTIONAL.  Order 1.—Diathetic. Ansemis. Ansemis. Anservea. Cancer, bladder Cancer, bladder Cancer, face. Cancer, concitum. Cancer, exp. Cancer, perference.													:  :  :	<b>*</b>	1 cs 11 11		- : : : : : : : : : : : : : : : : : : :	10			11 1 0			

TABLE No. IV—Continued.	CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,	378 Or County of the County of 1876

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	Total by	sex.	W.	6.4 kg cs	41	15	16	248	0x ∞
ION.	by	-1	c.	8 29	38	14	15	494	8 2 - 8 - 6 8
RECAPITULATION	Total by	color.	W.	40,80	41	00	α	563	wr 00 01-12-44
RECAP	sex.		E.	83	233	4	4	236	HF 00 HH 00
	Total by color and sex.	C.	M.	2, 23	15	10	11	258	649-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
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	S. S.	c.	स्					36	
	l Jo s		M.	-	-			35	444
NATIVITY.	Other parts of U.S.	W.	표	-     -	CS			20	-01 10
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	nbia.	C.	된	83	23	4	4	300	4 -
	Colur		N.	13	14	10	=	008	- cs
	District of Columbia.	W.	뇬	===	12	8	8	506	8
	Dis		K.	100	98	4	4	526	
		Cause of death.		CLASS 1.—ZYMOTIC. Order 3.—Distic. Alcoholism { Delirium tremens.   Delirium tremens.	Total dietic diseases	Order 4.—Parasitic. Aphtha	Total narasitic diseases	Total zymotic class	CLASS II.—CONSTITUTIONAL.  Order 1.—Districtio.  Ansemia  Anseria  Cancer, axilla  Cancer, breast  Cancer, breast  Cancer, intestines  Cancer, intertines  Cancer, int

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES.

1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Abscess, lumbar Gangerene (struma)  Hydrocephains  Phihisis pulmoralis  Scorlina  Tables meantering at 1 1 1 1 1 6 3 2 3 3 7 7 4 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 4 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			M. F. M.	Cause of death. W. C. W. C. W. C. W. C. W. W.	Under I month. I to 4 months. 4 to 8 months. S to 12 months. I to 2 years. 2 to 3 years.
	diseases	88 88 88 88 88 88 88 88 88 88 88 88 88		1		M. F.	W.         C.         W.         F.         M.         F.<

TABLE No. IV—Continued.  CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,  REGISTERED FOR THE TWENCE MAKING SEPTEMBER 30 1876.	D A	BST	'RA(	TABLE No. IV—Continued.  ACT OF DEATHS IN THE DISTRICT OF COLUMB.  REGISTRED FOR THE TWENTE MAYTHS REVINED SEPTEMBER 30, 1576.	JF.	DEA	THE	TABLE No. IV—Continued. HS IN THE DISTRICT HE TWELVE MONTHS ENDING.	N T	HE MON	DIS	TRI	CT CT	OF	CO	LUI.	(1B1,	国	ROM	[A]	3	CAI	SE	zý.					
	Tot	Total under 5 years.	nder	10	5 to 10 years.	10 ye	ars.	10	to 1	10 to 15 years.	.178.	15 to 20 years.	030	year	72	20 to 25 years.	25 3	ears.		to 3	25 to 30 years.	LF8.	30	30 to 35 years.	10	50 y	35 to 40 years.	0 .	
Cause of death.	W.		c.		W.		c.	=	W.	ن ت	1	ĭ.		C.		W.		c.		W.	0	c)	`.		c.	₩.	-	5	
	M.	E.	M.	E.	M. F	F. M.	(Ex	M.	표	M.	=	M.	E.	M.	E.	M. F	F. M.	F	M.	正.	Ä	표	M. F.		M. F.	M. I	F.	M. F.	
CLASS IL—CONSTITUTIONAL. Cancer, stomach Cancer, thigh Cancer, therus Cancer, vagina Cancer, vagina Marasmus Ribeumatism	6 -		<u> </u>	1								- : : : : :					-								G4 : ; ; ;	1 1111111			
Total diathetic diseases	10	18	71	50			4		-	-		-	G₹	-	-		-			-		-	-	62	C\$	1	4	1 1	-
Order 2.—Tubercular. Abscess lumbar Gangrene, (struma) Ilydrecephalus Ilydrecephalus Serotius Serotius Tubercular bronoitius Tubercular abrungitis Tubercular perionitis	1 20 4	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	9 14 2 9			1 1 0	F 80 H	m	9 1 1		ω	9	- 6	3 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30	<u> </u>	63	1 35	8	19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Δ	53	1 : : : : : : : : : : : : : : : : : : :	<u> </u>	:::2::::::::	: : : : : : : : : : : : : : : : : : :	1 6	5	
Total tubercular diseases	23	26	55	09		6	=	m	1-	100	πo	0.1	=	13	33	19 14	83	36	133	16	18	27	1 23	35 13	17	15	30 13	3 21	
Total constitutional class	33	44 6	69	2	-	6	15	ا n	00	00	00	1-1	13	1 2	31	19 15	8	36	25.	12	100	8	12	24 14	16	153	24 14	25.2	-
Class III.—LOCAL. Order 1.—Nervous. Abscess of brain. Apoplexy, cerebral. Apoplexy, cerebral.	- :								1 !!!	in		- :						<u> -                                     </u>			i= :		:-:	- 6		- 13	CS .	: 60	

			-	REGIS	TERE	D FO	REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.	T.	VELV	E Mc	ONTHE	S EN	DING	SEP	EMB	ER 3	0, 187	9.												
	40 t	30 45	yea	ris.	45 to	20	40 to 45 years. 45 to 50 years.		50 to 55 years.	55 y	ears.	. 55	55 to 60 years.	30 y	ears.		to 6	<b>5</b> ye	60 to 65 years.		65 to 70 years.	) yea	trs.	70 V	70 to 75 years.	· 2	*	75 to S0 years.	. g	
Cause of death.	W.		c.		W.		°		W.		C.	_	₩.	_	c.		W.			W.		c.		W.		c	Ä		0.	1
	M.	F4	M.	E	M.	F.	M. F.	M.	F.	i.	14	, K	14	M.	Fi	M.	124	M.	F	M.	Fi	M.	E.	M. F.	X	됴	K.	E.	M. F.	1
CLASS IL—CONSTITUTIONAL. Order 1.—Diathetic. Cancer, stomach Cancer, thigh Cancer, thigh Cancer, thigh Cancer, virgina Cancer, virgina Marasanna. Rheumatism	- : : : -	i- ii-					cs Cs		1 67		, e		6.1									CS				:- : : :-	-:::::			
Total diathetic diseases	က	8	8	G\$	-	4		18	2		4	4	7	-	25	-	CS	C.S			4	2	8	13	5 1	4	-		52	1 : 1
Abscess, Immbar Abscess, Immbar Aptingen, Imman Aptingen, Imman Aptingen, Imman Aptingen, Imman Aptingen, Imman Aptingen, Imman Aptingen, Impacting Aptingen, Impactingen, Impac	19	2	8 1	9 9	112		-	: : : : : : : : : : : : : : : : : : :	1117 1111111	9	1 6 4	G	6	9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			4		, m	4		C4					C3 :	CN .		
Total tubercular diseases	16	15	6	1	15	1-	12-	2 11	_	2 9	4	12	6	9	1-	65	4	-	6	4	-	CS	-	4	1-	1:	CS.	34		1 :
Total constitutional class  CLASS III.—LOCAL. Order 1.—Nervous. Abscess of brain Apoplexy, cerebral. Apoplexy, cerebral.	110	<u>∞</u>   ∞	22	6 1	16 141		-	1 1 8 8 13	-  :::	6 6		16	16	1-   63	6 4	4 :0:	13   0	2 2	20 10	4 1	= =	n   n	4 4	P	6 2	4 6	m   · m ;	G2   G2	62	:   : - :

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	200	years.		â n	years.	2	Se Se	years.		yes yes	years.		years.	<u>,</u>		Married.	ed.	_	20	Single.		3	Widow or wid-	ow or v	rid-	Un	Unknown.	vn.
Cause of death.	W.	-	c.	W.	-	5	W.	.c.	-	W.	C.	=	₩.	2	W.	-	c	_	W.	_			W.		ت ت	W.		5
	M. F.	F.	M. F.	M.	F. M.	M. F.	M. F.	M.	F. M	M. F.	M. H	F. M. F.		M. F.	M.	F.	M. F.	. M.	H	M.	Fi	M.	드	K.	124	М. 1	F. M.	4
CLASS II.—CONSTITUTIONAL. Order 1.—Diathetic. Cancer, stomach Cancer, thigh Cancer, uterus Cancer, uterus Cancer, waterus Cancers waterus Cancers waterus Cancers waterus Cancers waterus Cancers waterus Cancernis waterus															n	9 :0:==	- : : : : : : : : : : : : : : : : : : :	1 : : : : : : : : : : : : : : : : : : :	1 : : : : : : : : : : : : : : : : : : :	:::::::::::::::::::::::::::::::::::::::	± 1 ∞ α		65   25   17		1 8 1 1	-:::::		
seases	1:	1:	1:	1:	1:	1:	1:		1:	1:	1	:	1:		10	31	12	13	18	16	133		16	m	19	03	-	1:
Order 2.—Tubercular. Abscess, lumbar Gangrene, (struma) Hydrocephalus Hydrocephalus Scrofula Scrofula Tubercular bruckitis Tubercular enteritis Tubercular peritonitis															2 1 2	1 23 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 0 2 0 8 1		ထင်တင်းယ- 4ယ-	12	33	1 1 1	1 88	m		
Total tubercular diseases	-	1:	-	1:	1:					1:	1		1:		18	65 61	1 67	8	0.2	113	139	17	32	00	8	က	1 1	
Total constitutional class	1-	ct	-	:	:	1 :						: :			06	87	72 79	105	95	159	164	12	51	=	39	22	1 20	
CLASS III.—LOCAL. Order 1.—Nerrous. Abscess of brain. Apoplexy, cerebral (insolation)	-			111		-		1 11							18	101	16 4	191	10	-03	4	9	19	-	17		G1	-

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,

lo mo of a	aths, age ity fr sease ortal			9 . 219 1 . 024 16 . 377 1 . 023 2 . 047 61 1.437	166 3.909	2 093 2 1 093 595 14 013 595 14 013 92 2.12 93 2.18 94 781 18.394 94 22.303 94 22.303 94 3.685 95 21.094 96 3.685 97 22.303 98 18.894 98 18.894 99 22.303 99 303 90 3
	l by		Ŧ.	16 4 388 7	110	3104 3104 3104 3104 3104 3104 3104 3104
	Total by	sex.	K.	23 1	26	285 285 285 285 285 375 375 442 112 112 113 113 113 113 113 113 113 11
TON.	by	J.	rj.	2 7 7 10 10 10 10	78	11 11 12 289 78 88 88 88 88 11 12 12 13 14 14 14 14 16 16 16 16 16 16 16 16 16 16 16 16 16
RECAPITULATION	Total by	color.	₩.	68821914	88	363 363 363 363 363 363 363
RECAP	sex.		<b>±</b> i	1 7 7 19 55	47	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Total by color and sex.	.: :	M.	1 11 22	31	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	by cole		뇬	6 6 6 6 6	63	2 141 3 3 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	Total	W.	M.	4-1 64	25	105 105 105 105 105 105 105 105 105 105
			124			
	gn.	ပ်	M.		1:	
	Foreign.	W.	균.	- 6	10	13
		=	M.	e : : : : : : : : : : : : : : : : : : :	4	15.2   62   52   1
	τά		12	L 4 4	19	1133 133 1132 1133
	of U.	c.	K.		15	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
NATIVITY.	Other parts of U.		Fi	- 4 - 40	38	1 1 22 1 1 8 8 8 1 4 1 4 1 1 1 1 1 1 1 1 1 1 1
NAT	Othe	W.	M.	Cs.	9	11 66 12 2 14 14 14 14 14 14 14 14 14 14 14 14 14
	bia.		E4	33	28	24 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
	Colum	ಬ	M.	13	16	93 83 6 1 1 1 8 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6
	District of Columbia.	۲.	E.	1 3 3	123	1 444 92 92 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
	Dist	W.	M.	1 1 6 6 1 1	15	01 04 07 07 07 07 07 14
		Cause of death.		CLASS IL—CONSTITUTIONAL. Cancer, stornach Cancer, thich Cancer, thich Cancer, thich Cancer, tryina Cancer, vagina. Cancer, vagina.	Total diathetic diseases	Order 2.—Tubercular.  Gangrene, (strum)  Hydrocephalus  Tubercular aeneritis  Tubercular peritonitis  Tubercular meningitis  Tubercular peritonitis  Absects of prelimitational class.  Absects of brain  Absects of brain  Anodex verebrai (insolation)

TABLE No. IV. Continued. CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, Registreed for the Twelve Moxths ending September 30, 1876.	ATE	D AI	3ST.	RAC	T C	F I	EA.	THS IE T	IN	TH 7E M	AACT OF DEATHS IN THE DISTRICT OF COLUMBI Registered for the Twelve Months ending September 39, 1876.	FHS IN THE DISTRICT RETWELVE MONTHS ENDING	RIC	T O	Е С	OLI ER 30	JMIE 7, 1876	IA.	FRC	M(	ALI	CA	USI	ES,		1		
	ď	Under I month.	пош	nth.		1 to 4 months.	onth		to to	S mo	4 to 8 months.		S to 12 months.	mor	ths.		1 to 2 years.	years		95	0 3 3	2 to 3 years.		to 4	3 to 4 years. 4 to 5 years.	18.	to t	ye.
Cause of death.				c.	=	W.	5		W.	-	0.		W.	_	5	=	W.			¥.	-	2		¥.	5	ή.	₩.	ಲ
4	M.	Ħ	M.	F.	M.	F.	M.	F.	M. I	F. M	M. F.	W.	F.	M.	표	M.	표	M.	표.	M.	표	M. I	F. M.	H	M.	E.	M. F.	M.
CLASS III.—LOCAI  Order 1.—Nervous. Apoplexy, (serous). Arophy, (spinal). Congestion of brain. Convession of brain. Convessions, (infantile). Cony de soleil. Coxalga. Dementia, (chronic). Dementia, (chronic). Dementia, (chronic). Dementia, (senile). Lindammation of brain. Laryngismus stratulus. Laryngismus stratulus. Laryngismus stratulus. Laryngismus stratulus. Remajus and staxia. Paralysis. Paralysis. Paralysis. Solvening of spine. Solvening of spinel cord. Solvening of spinal cord. Teleanus, (traumatic).	3 - S	65 00	34	177		9 9		∞		4 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	φ οι	4 00 61 61	15 5 H W	L 73	ω	C5 12-	61 10	ικ ω π ι ι ι ι ι ι ι ι ι ι ι ι ι ι ι ι ι ι	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	GR GR GR	65	G1 G2 C3					GE .	
Total nervous diseases	25	500	64	20	10	101	6	6	101	12	17 10	=	15	2	2	17	13	91	11	4	5	10	1	:	8		3	01
Order 2.—Circulatory. Aneurism of aorta.											1							Ī	İ	-					İ	-		

REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.	5 to 10 years. 10 to 15 years. 15 to 20 years. 20 to 25 years. 25 to 30 years. 3ears. years.	W. C. W. C. W. C. W. C. W. C. W. C. W. C. C. W. C.	M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F.		4 4 3 2 1 2 3 3 1 3 3 4 4 5 1 2 2 7 2 7 2 12 7 3	ca ca
SISTERED FOR		W.	M. F.	ot	4	
REG	Total under 5 years.	W. C.	M. F. M. F.		74 81 136 102	
		Cause of death.		CLASS III.—LOCAL.  Order 1.—Nerrous. A poplexy, (serous) A trophy, (serous) A trophy, (serous) Congestion of brain, (insolation) Conversation of brain, (insolation) Conversation of brain, (insolation) Conversation of brain, (insolation) Dementa, (seule) Administion of brain, (insolation) Laryngismus striduus Laryngismus striduus Mahinitis Mania, acute, (exhaustion from) Mania, Mania, strings of spinal cord Tetanus, (dipania) Trismus nascentium Trismus nascentium Trismus nascentium Trismus nascentium	Total nervous diseases	Order 2.—Circulatory. Aneurism of aorta

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876. TABLE No. IV-Continued.

			KE	KEGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.	ERED	FOF	THI	E Tr	VELV	E M	ONTH	IS EN	VDING	SE	PTEM	BER	30,	876.												
Cause of death	40 to 45 years.	45	yea	. is	45 t	0 20	year	ģ	45 to 50 years. 50 to 55 years.	55	year		<b>5</b> to	60 3	55 to 60 years.		60 to 65 years. 65 to 70 years.	65 y	sars.	65	to 7	0 ye	ars.	7	70 to 75 years.	25	*	5 to S	75 to S0 years.	i .
Cause of the same	W.		0		W.		C.		W.	-	c.		W.		c.		W.		C.		W.		C.	W.		5	¥		ಬ	1
	M. I	Ei	W.	표	M.	ᅜ	M.	E.	M. F	F. M	M. F	F. M	M. F	E. M	M. F.		M. F.	M.	ᅜ	M.	E.	i.	F.	M.	F. M.	H.	F. M.	5	M.	124
CLASS III.—LOCAL.  Order 1.—Nerwous. Atrophy, (spinal) Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain, (insolation) Convaligia. Convaligia																														
Order 2.—Circulatory.	-	0	+	2	=	0	-	25	-	0	4	7	2	n	2	9	00		0	2	m	-	0	0	t-	cs	4	20	CS	C\$
Chicken of act was					:		:	-	-	:	:	:	:	:	:	:	:	-	:	:	:	:	:	İ	:	:	:	<del>-</del>	1	

## CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,

Unknown. : ₩. M. œ Widow or wid-1 -98 <u>ن</u> M. 2 ower. SOCIAL RELATIONS. E 88 W. 16 M. 114 Ξ. 5 151 Single. M. 15 33 90 E. W. 02 M. 91 20 Ē ပ REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876. Married. 35 -M. 12 ¥. 44 K. 95 to 100 Above 100 ರ years. : ¥. : || ¥ : | years. Ė × 1 M. E. 90 to 95 ರ years. E W. M. 5 85 to 90 ပ years. M. Œ, : W. W Ē S0 to 85 ಳ years. C₹ Œ, × M. A poplexy, (serous)
A trophy, (spinal)
Congestion of brain, (insolation) Convulsions, (infantile) Dementia, (senile) inflammation of brain ..... inflammation of brain, (insolation).... Laryngismus stridulus.... Locomotor ataxia..... Mania, acute, (exhaustion from) ..... Total nervous diseases..... Aneurism of aorta..... Coxalgia Dementia, (chronic)..... Epilepsy Meningitis Softening of brain Softening of spinal cord Tetanus, (idiopathic) Comp de soleil. Hemiplegia.... Trismus nascentium Myelitis Order 2.- Girculatory. Tetanns, (traumatic)..... CLASS III.-LOCAL. Order 1.-Nervous. Cause of death. Paralysis .....

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876. TABLE No. IV-Continued.

					NATIVITY	TTY.									RECA	RECAPITULATION	TION.				io mon ot s
	District of Columbia.	of Co	humbi	-	Other parts of U.S.	parts	of U.S	70	Fore	Foreign.		Total	Total by color and sex.	or and	80X.	Tota	Total by	Tota	Total by		age ityii iseas iseas
Cause of death.	W.		c.		¥.	-	C.		W.		:	W.				col	color.	25	sex.	alde	reent ortal ib do
	M. F.		M.	F.	M.	E.	M.	F.	M. F.	×	표	M.	F	M.	F.	₩.	c.	M.	표		Per
Cirass III.—LOCAL.  Order I.—Nervous. Atrophey, (spinal) Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Conductor ataxis. Conduc	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		3 5 1 11 11 12 13 E		- 40 4 0; m-	P 01	ಬ್ಲಾಬ ಬ್ಲಾಟ ಆಗು ಚರ್ಚ 4 ಬಿಂದಿ	- 01 01 - 01 - 01 01 01 01 01	- 100 05 05- 05- 05 05 05 05 10- 10- 10- 10- 10- 10- 10- 10- 10- 10-			4 25 8 1 1 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1	- 본정본 영 684 8 8 8 8 64 F	2-2 coso5suson ch	5- 0 0 - 0 000 1-E	8 8750 9-326- 9 \$ 44-31-1-81	31-81	2 3 3 3 3 3 4 5 5 7 1 1 2 2 3 3 5 7 1 1 2 2 3 3 5 7 1 1 2 2 3 3 5 7 1 1 2 2 3 3 5 7 1 1 2 2 3 3 5 7 1 1 2 3 3 5 7 1 1 2 3 3 5 7 1 1 1 2 3 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4-8xx2- 4 12x2 1 8 24x2 1-2	4 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
Total nervous diseases	8	86	135	107	45.5	31	56	39	43 20	1::		173	149	191	146	335	337	364	295	629	15, 520
Order 2.—Circulatory.  A neurism of sorta	1		1				-		-			G1		T		G\$	-	n		n	. 071

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, TABLE No. IV-Continued.

Registered for the Twelve Months ending September 30, 1876.	4 to S months. S to 12 months. I to 2 years. 2 to 3 years. 3 to 4 years. 4 to 5 years.	W. C. W. C. W. C. W. C. W. C. W. C.	F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F.									5				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		200   100
ERED FOR TI	I to 4 months.	W.   C.	М. F. M.				:		-		:				-	1		1 3
REGIST	Under I month.	W. C.	F. M. F.						:						•			- 64
		Cause of ueath.	M.	CLASS III —LOCAL.	Order 2.—Girculatory.	Aneurism of aorta (thoracic)	Aneurism of subclavian artery	Dropsy, (cardiac) Embolism of brain	Embousm of coronary artery	Fatty degeneration of heart	Heart clot Hypertrophy of heart		Ruptare of aorta	Thrombosis, (pulmonary artery)		Total circulatory diseases	Order 3.—Respiratory.	Asthma. Bronchial catarrh Bronchitis Congestion of lungs, (insolation)

	Tot	Total under 5 years.	rder 8.		5 to	10 3	5 to 10 years.	-	10 to 15 years. 15 to 20 years.	15 3	rears	-	5 to	20 3	ears		D to	25 3	20 to 25 years.	GR.	25 to 30 years.	30	years		30 to 35 years.	o to 3.	10	8	35 to 40 years.	40	
Cause of death.	W.	-	5	1	W.	-		-	W.	-	C.		- A	_	C.		W.		c.	-	W.		0.	-	W.	_	c	W.	-	c.	
	M.	표	M.	F.	М. 1	F.	M. F.		M. F.	M.	3	. M.	표	M.	F.	M.	표	M.	E.	M.	표	M.	1	F. M	M F.	M. F.	压	M.	E.	M. F.	Tr.
CLASS III.—LOCAL.																											1		1		
Order 2 Oirculatory.			-																												
Anourism of anotta, (thoractic)  Anourism of subclavina artery  Anourism of subclavina artery  Anourism of subclavina artery  Anopay, (cardiac)  Embolism of brain, (nasolation)  Embolism of brain, (nasolation)  Embolism of brain, (nasolation)  Embolism of corouny artery  Embolism of corouny artery  Embolism of corouny artery  Embolism of corouny artery  Embolism of corouny artery  Emploare idea  Emploare idea  Rapiner coli pagalar vein  Stenosis, (pulmonary artery)  Thornbois, (pulmonary artery)  Thornbois, (pulmonary artery)  Thornbois, (pulmonary artery)  Thornbois, (pulmonary artery)  Thornbois (pulmonary artery)	22 - 2		- Q1					m m	-			cs cs						C5 C3		- 0				CS			· · · · · · · · · · · · · · · · · · ·	0.   -   -   -   -   -   -   -   -   -	05 4		
Order 3.—Respiratory.		1	11	1	1	11	1	1			-	-		-								11		11	1		11	-!-	- 11	11	
Asthma. Bronchial catarrh. Bronchials Congostion of lungs. Congostion of lungs. Congostion of lungs.	0.6	17. 1	14	17 17 10			-							. cs	C\$			G\$					-			11:-1	1 1 1- 1	111111		: :- :	

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M. F.

ರ years.

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75 to S0

TABLE No. IV-Continued.

M. F. M. F. M. F. 70 to 75 ರ years. ₩. CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, Ē 40 to 45 years. 45 to 50 years. 50 to 55 years. 55 to 60 years. 60 to 65 years. 65 to 70 years. <u>ن</u> N. C? W. M. Ė : ೮ M. REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876. Ŧ CZ W. M. 31 H ೮ K. 03 Œ, ₹. N. :00 Ŧ ಬ M. C 4 Μ. M. ರ M. Ē W. M. F ပ N. £ × M. Aneurism of aorta, (thoracic)...... Angina pectoris.

Dropsy, (cardiac)
Embolism of brain
Embolism of brain, (insolation)
Embolism of coronary artory. Heart clot Hypertrophy of heart. Pericarditis Rupture of aorta. Endocarditis Fatty degeneration of heart..... Rupture of jugular vein..... Aneurism of subclavian artery..... Rheumatism of heart..... CLASS III.-LOCAL. Order 2.- Circulatory. Cause of death. Heart clot

2 CX C CV. 20 3 က 00 : . 4 3 က CS. C Bronchial catarrh..... Congestion of lungs, (insolation) ..... Ешрһузеша ..... Valvular disease of heart ..... Total circulatory diseases..... Asthma..... Order 3.- Respiratory.

0	TABLE No. IV—Continued. CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,
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CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, REGISTERED FOR THE TWELVE MONTHS ENDING SEITEMBER 30, 1876. TABLE No. IV-Continued.

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MEGISTEMEN FOR THE TWELVE MUNITION EAVING SELLEMBER OU, 1010.	NAT	Other	=	M.		28	944
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		Course of Joseph	Cause of uealit.		CLASS III.—LOGAL.  Order 2.—Circulatory. Aneurism of aorta, (thoracie) Aneurism of subclavian artery. Angina pectoria. Angina pectoria. Dropsy, (cardiac) Brophy, (cardiac) Bribolism of brain Benbolism of brain Benbolism of brain Benbolism of brain Benbolism of orculary artery. Bridgeateration of heart Lypertrophy of leart Ratty degeneration Restance of light and the control Restance of light artery Ratty degeneration Lypertrophy Rattory of leart Rupture of gingular vein Rupture of gingular vein Rupture of gingular vein Rupture of section Rupture of section Rupture of section Rupture of section Rupture of section Rupture of section Rupture of section Rupture of section Rupture of section	Total circulatory diseases	Order 3.—Respiratory. Asthma. Promothin extearth. Brouchitis. Congestion of lungs. Congestion of lungs. Emphysema.

TABLE No. IV—Continued.	CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,	Descriptions were flavoured Management of Access

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.	ED A	BST	'RAC REG	CT (	OF I	OR TI	FHS IE T	AACT OF DEATHS IN THE DISTRICT OF COLUMBI REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 39, 1876.	TH	E D	HS IN THE DISTRICT E TWELVE MONTHS ENDING	RICI	SEPT	FAIBE	R 30,	MBI. 1876.	A F	RON	IV	J. C.	AUS	SES					
	Under I month. I to 4 months.	1 m	onth.	-	to 4 1	nonth		4 to S months.	S mo	nths.		S to 12 months.	mom	ths.	# #	8	I to 2 years.	-	2 to	2 to 3 years.	13.	<b>8</b>	3 to 4 years. 4 to 5 years.	ars.	4 to	5 ye	ars.
Cause of death.	W.	-	c.		W.	o.	-	W.	-	c.		W.	. c.		₩.	-	5	1	`.	_	c.	¥.	-	c.	¥.	-	5
	M. F	F. M.	F.	M.	표.	M.	F.	M. H	F. M	M. F.	M.	펀	M.	E	M.	F.	M. I	F. M.	Fi	M.	표	M. F.	F.	M. F.	M. F.	?. M.	Ħ
CLASS III.—LOGAL. Ordor 3.—Respiratory.																											
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Order 4.—Digastive.  A baceas of liver. A stitas A stitas A strinos of liver Circliosa of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of intestines Control of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver	31-						-			α		C5 1-1						GR .		oz :			: : : : : : : : : : : : : : : : : : :			05	

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IMI 1876	20 to 25 years.	W.	4		-	9	1 0	1	
TABLE No. 1V—Continued.  RACT OF DEATHS IN THE DISTRICT OF COLUMBI REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.		-	M.				4		
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TABLE No. IV—Continued. FHS IN THE DISTRICT IE TWELVE MONTHS ENDING	ars.	C.	E		:	!!!!			
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TABLE No. IV—Continued.  CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.		Cause of death.		CLASS III.—LOCAL. Order 3.—Resniratoru.	Hemontvsis	Laryngitis Gleban gottidis Pleuritis	Total respiratory diseases		Order 4.—Digestive.  A bacess of plurynx A bacese of plurynx A recite. A triphy of liver Cirrhosts of liver Congestion of liver Congestion of liver Congestion of liver Congestion of liver Congestive morbid) Entertitis Gastries Gastries Hematemesis Hematemesis Hematemesis Interstinal catarrh Intestinal catarrh Intussusception of intestines Jaundice. Lartacocous liver Melicina.

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Cause of death.	40	to 45	year	8.	5 to 5	10 to 15 years. 45 to 50 years. 50 to 55 years.	8	0 to	55 ye.		55 t	55 to 60 years.	years		to 6.	60 to 65 years.	- G	5 to	65 to 70 years.	ars.	2 2	years.	1	years.	2 2
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	M.	F.	M. F	F. M.	곳.	M. I	F. M	M. F.	M.	4	M.	F.	M. F.	M.	压:	M.	E.	M. F.	M.	E	M. F.	M.	F. M.	15	M. F.
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Order 3.—Respiratory.			-													_									
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CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876. TABLE No. IV-Continued.

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Cause of death.	W.	-	5		W.		ت ت		W.			W.	-	3		W.	_	2	W.				W.				W.		c.	-	W.	ပ်	
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CLASS III.—LOCAL.											•																-						
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Order 4.—Digestive.		11	H	1	11					1				11	11	1	1	1	1						11	11	11	11	1	11	_		
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Registered for the Twelve Months ending September 30, 1876.

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CLASS III.—LOCAL.	,																												
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Order 5.—Urinary.																									-		1	1	11
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Nephria, (Bright's disease)	::						<u> </u>		<del>: :</del>		::										<u> </u>	11	- :	11	:::		::	11	
Stricture of urethra Uræmia.												<u>: : :</u> : : :												111			:::	: : :	111
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Order 6.—Generative.														1			1									1			
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Total generative diseases			1		1				<u> </u>	-				<u> </u>															

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Cause of death.	W.		c.		₩.	-	C.	_	W.	_	ت ا	W.		5		₩.	-	5	-	W.	_		Ä	-	5	-	₩.	2	1 .
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CLASS III.—LOCAL.																													
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Order 5.—Urinary.						j II								İ	İ		11				1		1		11	11	1	ï	
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Order 6.—Generative.																										1		1	
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Total generative diseases		-						1											:	1 :	1			25			1:	1	1:
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Cause of death.	40 to 45 years.  W. C.	15 ye	C. C.	5   > >	45 to 50 years.  W. C.	C. C.		50 to 55 years. 55 to 60 years.  W. C. W. C.	55 %	ears.	25	5 to 60	year C.	60 to 65 years.  W. C.	65 ye	cars.		5 to 7 W.	65 to 70 years.  W. C.		70 to 75 years. W. C.	9 to 7.5 years.		year St	5 . c.
CLASS III.—LOCAL. Order 4.—Discestive.												1						1						:	
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Total urinary diseases Order 6.—Generative.					-		:	04	C5		-	-		4		-	6			(m)	1:1		03	1:11	1:1
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	M. F.	M. F.	M.	F. M.	M. F.	M. F.	M. F.	M.	F. M.	E	M. F.	M	E. M	M. F.	M.	F	M.	E.	M. F	F. M	M. F.	. M.	7	M.	H	M. F.
CLASS III.—LOCAL.							1							1 .											İ	-
Order 4.—Digestive.			_	_			_																			
Obstruction of intestines Peritoritis, (idiopathic) Pharyngitis		: : :		: : :				::	- ; ;		::	::		4	11	i-	6		- 121 -				:-	- :	:-	-::
Stomatitis Stricture of rectum Ulcoration of intestines.						1 1 1			<u>: : : :</u>	: : : :		: : : :		: :-			- :-	:	-				~	: : ;	: : : :	
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Order 5.—Urinary.							1				11	1	11					1	1	11	1				i	1
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Order 6.—Generative.				1						1	1		1	11	1		İ	11	1		II.	1			11	1
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		ABSTRACT	
		CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,	
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	Distr	ict of	District of Columbia	bia	Other	Other parts of H. S.	of II.	7.	For	Poreign		Total	hr. co	Total by color and say	RECA	RECAPITULATION.	TION.				-
Cause of death.	W.		C. C.		W.	barres .	c. c.	ġ .	W.	i	c.	W.	8	or and	d sex.	Total by color.	l by or.	Total by sex.	tal by sex.		dtasb la
	M.	Œ	W.	154	M.	154	M.	E.	M. F.	. M.	표	M.	1	M.	E.	W.	5	M.	E		RioT
CLASS III.—LOCAL.																					
Order 4.—Digestive.				•																	
Obstruction of intestines	-	- 67	6		- 6	6		- 6	:0	:		64.4	01 4		1 6	40	C1 4	1 00	80		9
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Total digestive diseases	50	8	19	14	30	15	12	<u>~</u>	23 15	110		73	55	36	8	138	29	108	88		196
Order 5.—Urinary.							-	11	11						-						
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Hypertrophy of prostate gland			·					: :	: :		::	;			- i		- :		-		24 1
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Order 6.—Generative.										11										ll .	
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TABLE No. IV - Continued.	CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,	Drawmann on the Company of the Compa

			M	EGIST	EREI	FOR	THE	TWE	TAL	Registered for the Twelve Months ending September 30, 1876.	HS EN	DING	SEPT	EMBE	зк 30	, 1876		-			1	-			-			1
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Cause of death.	W.		ت ا		W.		C.	=	W.	5		W.	_	c.	W.		c.		W.		c.	-	W.	: :		W.	2	Ι.
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CLASS III.—LOCAI Order — Locomotory, (ossents.) Caries of temporal bone Coxarum morbius Coxarum morbius Necrosis of claricle and sternum Necrosis of famir																	; ; ; cs				63		-::::::					
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Order 8.—Locomotory, (integumentary.)			1	11	1			İ								1	11	-	1	_  i	11	1	I	K				11
Abscess of porineum Abscess of inyroid gland Adentifs Adentifs Cellulitis Cellulitis Lupus excleus Scleroderma													-::::::::							1111111								
Total locomotory, (integumentary).		-		6		:		-	-				-							:		1 :	1	1:	1:	1:	1	1:
Total local class  Class IV.—DEVELOPMENTAL. Orden 1.—Children. A telectasis pulmonum. A tresis ani Congenital deformity Cyanosis. Debility, (congenital) Hemorrhage, (umbilical)	6 6 6 6 7 7 3 3 3 3 2 6 9 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	11 3 11 18 11 19 11 19 11 11 11 11 11 11 11 11 11	12	4   0-1   01   03   03   1   1   1   1   1   1   1   1   1	<u>g</u>	E	8 8	123	₹ :==	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8	7	8	8	78	212	8	11 10	100	8	9	9			6	10	9

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876. TABLE No. IV-Continued.

7	40 to 45 years.	0 45	yea	rs.	45 1	45 to 50 years.	yea	T.S.	rears. 45 to 50 years. 50 to 55 years. 55 to 60 years. 60 to 65 y	55	year	8	5 to	55 to 60 years.	ears	9	9 to	65 y	60 to 65 years.	65	65 to 70 years.	0 ye	ars.	2	70 to 75 years.	23		5 to S years.	75 to S0 years.	
Cause of death.	W.				W.		c,		W.	-	2		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	-	2		Ĭ.		0.	-	W.		0.0	¥.	-	C.	=	W.	Ö	1
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CLASS III.—LOCAL. Order 7.—Locomotory, (osseous.) Caries of temporal bage. Caries of vertebre. Coxarum morbus. Lordosis, (certical) Necrosis of claricle and sterrum. Necrosis of claricle and sterrum. Necrosis of claricle																												11111111		::::::
Total locomotory (osseous) diseases.		€.	i	:	-	-	:	:	:	:	:	:	1			-	:	:	:	:	:	:	:	:	:	:	:			:
Order 8.—Locomotory, (integumentary) Absecss of perinenm Absecss of thyroid gland Admitis Admitis Carbunel Cellulitis Cercana impetiguodes Linus exedens.																-					-									
Total locomotory, (integumentary)	:				:	:				:					:	-	-				-				:	:	:	:		:
Total local class	25	14	) oc	1-	31	17	9	12	30	18	15 8	8	12	9	10	41	125	15	21	20	12	10	17	17	19 5	5 7	16	10	9	-
CLASS 1V.—DEVELOPMENTAL. Order 1.—Children. Atelectasis pulmonum Atresta and Concentual deformity Cyanosis Debility, (congenital)																														

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,

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Cause of death.	W.		c.	-	W.	c.		W.		·:	W.		C.	-	W.	c.		W.	0		=	W.			W.		c.		W.	_	ပ
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CLASS III.—LOCAI  Order 7.—Locomotory, (osecure.) Cartes of temporal bone Cartes of vertebre. Coxarum morbus. Necrosis of leavicle and sternur. Necrosis of clavicle and sternur. Necrosis of hand.										::::::									::::-:			G1	:								111111
Rachitis			::		:								: :					::			-		01	00		::					
Total locomotory (osseous) diseases.			:	:	:			:	.		:	:			:		:	:	-		C3	33	2	4	:		:	:	:	:	: 1
Order 8—Locomotory, (integumentary.) A bacess of perineum. A bacess of thyroid gland Adentits	:::	: : :			:::				:::	:::				:::							-									:::	
Carbuncle Cellulitis	::	<del>::</del>	::	<u> </u>	- :	::	::	::	: :	::	::	::		: :	: :	::	::	-:				1				- :			<u> </u>	:::	
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CLASS IV.—DEVELOPMENTAL. Orde-1.—Ohiltren. A telectasis pulmonum. A tresia ani. Congenital deformity Cyanosis. Debility, (congenital) Hemorrhage, (umbilical).																					6 6 11 11 11	6 5251	9 1 6 7 6	6- 898							

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THE DISTRICT OF COLUMBIA FROM ALL CAUSES, E MONTHS ENDING SEPTEMBER 30, 1876.		Total by color and sex.	3	M.		9		GE	11 11 11 11 11 11 11 11 11 11 11 11 11	2
ACT OF DEATHS IN THE DISTRICT OF COLUMB Registred for the Twelve Moxths ending September 30, 1876.		by col		¥	- G	3		4	375	7
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CONSOLIDATED ABSTRACT OF DEATHS IN REGISTERED FOR THE TWELY		denne 30 month	Cause of acata.		CLASS III.—LUCAL. Order T.—Locometory, (oxecuts.) Caries of temporal bone. Coxerum morbus Lordosis (cervical.) Lordosis (cervical.) Necrosis of femura Necrosis of femura Rachitis Rachitis	Total locomotory (osseous) diseases	Order 8.—Locometury, (integramentary) Abscess of perineum. Abscess of thyroid gland. Adentitis Adentitis Celluture Celluture Celluture Celluture Celluture Selections	Total locomotory, (integumentary).	Total local class.  Class IV.—DEVELOPMENTAL. Order 1.—Ohidren. Atelectasis pulmonum Atresia ani Congenital deformity Cyanosis Cyanosis Hemorrhese (muhiiyal)	Temorrage, (umornical)

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, Registreed for the Twelve Months ending September 30, 1876.	2 to 3 years. 3 to 4 years. 4 to 5 years.	C. W. C. W. C.	F. M. F. M. F. M. F. M. F. M. F.			
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TABLE No. IV—Continued. ACT OF DEATHS IN THE DISTRICT OF COLUMB REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1875.	S to 12 months.	W.	Ŀ.		İ	
TABLE NO. IV—Continued INS IN THE DISTRIC	-	C.	F. M.		1-	
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CONSOLIDA	10.00	Cause of death.		CLASS IV.—DEVELOPMENTAL. Order1.—Critidren. Hernia. Icterus neonatorum. Premature birth. Preternatural birth. Spina bilda.	Total developm'l diseases children	Order 2.—Women. Chlorosis Chlorosis Ghororiage, (poetpartum) Hemorrhage, (trerine) Metro-rhagia, Hemorrhage, (uterine) Metro-rhagia Hemorrhage, (uterine) Metro-rhagia Purperparal menia Purperparal menia Purperparal menis Purperal menis Purperparal metritis Purperparal metritis Purperparal peritonitis Purperparal peritonitis Purperparal peritonitis Purperparal oxemia Theirous labor, (exmanstion from) Total developm I diseases women. Order 3.—Old age. Order 3.—Old age. Order 3.—Old age. Total diseases of age

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	COLUMBI	MBER 30, 1876.
ntinued.	STRICT OF	ENDING SEPTE
BLE No. IV-Contir	THE DIS	VE MONTHS
TABLE	EATHS IN	OR THE TWELVE MO.
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	ABSTRA	RE
	ONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES.	
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Cause of death.  CLASS IV.—DEVELOPMENTAL. Hernia. Order 1.—Children. Pretenstaure birth. Spina bifda. Totaldevelopm'l disease children. Abortion Order 2.—Iromen. Order 2.—Iromen. Abortion Order 2.—Iromen. Abortion Order 2.—Iromen. Abortion Order 2.—Iromen. Abortion Order 2.—Iromen. Abortion Order 2.—Iromen. Benorblage, (therine) Hemorblage, (therine) Abortion Order 2.—Iromen. Benorblage, (therine) Abortion Abortion Order 3.—Order 3
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TABLE No. 1Y—Continued.	CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,	Carrier Co.

	10 to 15 years.	0 45	year	S.	1.5 t	45 to 50 years.	year		50 to 55 years.	35	year		5.5 to	55 to 60 years.	year		0 to	65 3	60 to 65 years.		65 to 70 years.	70 y	ears		70 to 75 years.	0 73		75 to S0 years.	5 to Syears.
Cause of death.	W.		ರ	-	W.		ಲ	-	W.		3	-	¥.	-	0.		W.	-	0		W.	-	5	-	W.	0.	-	W.	.c.
	M.	F.	M.	F.	M.	E.	M. I	F.	M. F	E.	M. F.	. M.		F. M	M. F.	M	F.	. W.	F	M.	E.	. M.	14	. K	7	M.	F. M.	124	M.
CLASS IV.—DEVELOPMENTAL. Order 1.—Onlidren. Ictorus neonatorum Peremature birth Perematural birth Spins bilda.																													11111
Total developm'l diseases children				1 :	1				<u>:</u>   :	<u>:</u>   <u>:</u>	<u>:</u>   <u>:</u>	-						:	,					1:	1:	1:		1:	1
Order 2.— Women. Abortion Chlorosis								:	1	1 :			:											:	1		:	:	
Hemorrhage, (postpartum) Hemorrhage, (uterine) Metrorrhagia					: : :	-																							:::
Paralysis of heart during labor		: :-	: :	::	::	1 1	::	1:	: :	::	: :	: :	::	::	: :				::	::	::			: :			::	: :	11
Puerperal nania		- :			· · ·	: :		: :	: :	: :	: :	: :	: :	: :	: :	1 1		: :	: :	: :				: :	: ;	: :	: :	: :	: : :
Puerperal metro-peritonitis Puerperal peritonitis Puerperal peritonitis									: : :	: : :	: : :													::				<b>:</b> : :	
Puerperal toxæmia Rupture of uterus					•			: : :																				; ;	
Suppressio mensium Tedious labor, (exhaustion from)		: : : :				::	::	11	<u> </u>	::	: :	::	::					::	::	::				::	11	: :	::	::	11
Total developm'l diseases women		-		:		:	:   :	1:	<u> </u> 						1:			:			1	1 :	1	1:				1	
Order 3.—Old age. Debility, (senile)					-	-					7:		-	63	2 1				64	4	4	73		10	20:	73 :	5 10	- 12	9 :
Total diseases of age			;	   :	-	-						-	1 -	35	52				C.S.	4	4	5	1	=	2	A.	5 10	13	9

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	T.	0 to S	S0 to S5 years.		S5 t	S5 to 90 years.		90 to 95 years.	0 to 9	-	95 t	95 to 100 years.		Abo	Above 100 years.	00	-	Married.	ed.	ã	OCIA	SOCIAL RELATIONS.	LAT	LONS.	Wid	OW 6	Widow or wid-	d.	Unk	Unknown.
Cause of death.	W.		2	-	₩.	C	-	W.	0.	1.	W.	3	- i	W.		00	W.	-	ಲ	-	₩.	c	ರ	1	W.	ower.	ت ت		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	D.
	M. F.	E.	M. F.	M.	1	M.	F. M.	E.	M. F.		M. F.	M.	厗	M. F.		M. F.	M. F.	-	M. F	F. M	M. I	F.	M.	E.	M.	E	M.	H.	M. F.	M.
CLASS IV.—DEVELOPMENTAL. Order 1.—Glidden. Icterus neonatorum Premature birth. Premature birth.								1 11111								11::::		1 11111	: : : : :	48:	1 1 1			6,70						
Total developm'l diseases children		1:	<u> </u>	1:		1:	1:	1:	1	:	1 :	1:	1:		1:	1:				57	-	45 5	54	3	1:	1				1:
Order 2.—Women.				-																11 -	1		-	-						-
Chlorosis Hemorrhage, (postpartum) Hemorrhage, (uterine)													: : : :								: ::								: : : :	
Metrorrhagia Paralysis of heart during labor	<u>: :</u> : :	::	::	::	11	11	::	::	::	::		: :	11	::	11			===	: :	: :	::	::	11	: : :	11	::	::	11	::	: :
Puerperal convulsions  Puerperal fever  Puerperal mania		: : :	: : :	: : :			: : :					: : :		: : :		1:1			1 1 1	:::	: : :	: : :	:	×- ;	: : :	: : :	: : :	: : :	: : :	: : :
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Puerperal septemia	::	: :	::	::	::	::	::	::	: :	: :	: :	::	11	::	::	: :	.5 64	:: :::		- :	::	::	+	::	11	::	: :	::	::	::
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		Cause of death.		CLASS IV.—DEVELOPMENTAL. Grder 1.—Children. Hernia. Grders neonadorum Premature birth. Prematural birth.	Total developm'l diseases children	Order 2.—Women. Abortion Chlorosis	Hemorrhage, (postpartum) Hemorrhage, (uterine)	Paralysis of heart during labor Puerperal convulsions Puerperal faver	Puerperal mania	Fuerperal metro-peritonitus  Puerperal peritonitis  Puerperal septæmia	Puerperal toxæmia	Tedious labor, (exhaustion from)	Order 3.—Old age. Debility, (senile).	Gangrene, (semio)

TABLE No. IV—Continued. CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,

Registreed for the Twelve Months ending September 30, 1876.	Under I month. I to 4 months. 4 to 8 months. S to 12 months. I to 2 years. 2 to 3 years. 3 to 4 years. 4 to 5 years	W. C. W. C. W. C. W. C. W. C. W. C. W. C. W. C. W. C.	M. F. M. F.	NTAL.		48 38 46 39 7 5 7 2 2 2 2 1 1	ATHS. ligence.	ire from 1	re while		tooal-oil (ingr) is the control of t	m arms m arms oximet	(I) (I) (I) (I) (I) (I) (I) (I) (I) (I)
	Come of don't	Cause of acatus		CLASS IV.—DEVELOPMENTAL. Order 4.—Nutrition. Asthenia Atrophy.	Total diseases of nutrition	Total developmental class	CLASS V.—VIOLENT DEATHS. Order 1.—Accidents and negligence.	Burned, (by clothing taking fire from hall gas-light)	Burned, (by clothing taking fire while playing with fire)	Burned, (by clothing taking fire from candle during fit) Burned, (by clothing taking fire) Burned, (from coal-oil)	Burned, (in house ignited from coal-oil explosion) Concussion of brain, (fall from building) Concussion of brain, (fall against iron	Concussion of brain, (fall from arms of nurse) or nurse). Concussion of brain, (from blow). Concussion of brain, (from blow) as truck.	by railroad engine) Concussion of brain, (from fall) Crusbed, (by falling of rock at quarry).

## OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES. TABLE No. IV-Continued.

35 to 40 years.								
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	Cause of death.		CLASS IV.—DEVELOPMENTAL. Order 4.—Nutrition. Asthenia Atrophy	Total diseases of nutrition	Total developmental class	CLASS V.—VIOLENT DEATHS. Order 1.—Accidents and negligence. Burned, (by clothing taking fire from hall gas-light) Burned, (by clothing taking fire while froming) Burned, (loy clothing taking fire while guard, (by clothing taking fire while	Burned, (by clothing taking fire from acadle during fit).  Burned, (by clothing taking fire).  Burned, (thom coal-oil).  Burned, (fire house ignified from coal-oil explosion).  Concuession of brain, (fall from building).  Concuession of brain, (fall against from coal-oil of the coal-oil oil of the coal-oil oil oil oil oil oil oil oil oil oil	Concussion of brain, from being struck

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876. TABLE No. IV-Continued.

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Course of Joseph	40 to 45 years. 45 to 50 years.	45	year	8.	15 to	20	уваг		50 to 55 years.	55	years		5 to	55 to 60 years.	ears.		to	35 5	60 to 65 years.	65	to 3	65 to 70 years.	ırs.	7	70 to 75 years.	5.2	*	5 to S. years.	75 to S0 years.	
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CLASS IV.—DEVELOPMENTAL. Order 4.—Nutrition. Asthonia. Atrophy	- :							-	Cs :		- :	- :		-		e :			CS .	C4 :	- :	8	Cs :	- :	61	- :	4 :	- :	- :	1 1
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	DATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,	REGISTER
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CLASS V.—VIOLENT DEATHS. Order 1.—Accidents and negligence. Burned, (by clothing taking fire from hall gas-light). Burned, (by clothing taking fire while						10									:						-		:							:	
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CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, TABLE No. IV-Continued.

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CLASS V.—VIOLENT DEATHS.  Order 1.—Accidents and negligence. Burned, (by clothing taking fire from hall gas light).											_				-		-		-	.024
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CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, TABLE No. IV-Continued.

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CLASS V.—VIOLENT DEATHS. Order 1.—Accidents and negligence.																													
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Fracture of legs and thigh Fracture of skull, (fall from building). Fracture of skull		: :	: : :													:- :		::-			: : :	-		::	::	: : :	: :		11
Fracture of skull, (by blow) Fracture of skull, (by fall))								: :		: :				-	: :									: : :		: : :	: : :		
Killed by blow on abdomen		1	: :	; ;	: :		: :	: :	1 1	: :	: :		::		: :	: :	: :	: :	: :	::	::	- :	:-	1	::	: :	::		
Killed by railroad	:-	:-	G2	: 1-	; ;	: :	: :	: :	: :	: :	: :	: :	::		::	::	::	1	: ;	::	: :	: :	::	::	: :	::	- :	11	11
Overlying by mother.		: :	1 1	C\$ :	1	: :	: :	1 1	: :	: :		: :	: :		: :	: :	: :		: :	: :	: ;	1	11	: :	::	: :	: :	1 1	: ;
Poisoned by caustic potash		:	- :	::	11	<del>::</del>	1 :		::	::		11	11	: :	::	; ;	1	::	:	::	: :		::	::	11	::	: :	11	11
Poisoned by creosote	-	::	: :	- :	1 1	11	1 1		11	1 1	11	!!				: :	1	::	::	: :	::	::	: :	: :	: :	: ::	: :	11	11
Potsoned by morphia	1		11		-	: :	: :	: :	: :		::	: :	::		: ;	: :	: :	::		: :	: :	: :	::	: :	: :	- :	: :	: :	::
Shock from surgical operation		: :-	1	- :	: :	: :					: :				: :	: :		: :			: :	: :	: :	: :	: :	: :	: :	: :	: :
Strangled, (accidental) Suffocation, (asphyxia)	: :-	- : :	: : :	G\$			: : :									: : :	: : :	: : :			: : :			: : :	: : :	: : :	: : :		: : :
Wound, gunshot			+	::	11		: :	::	::	::	11	:-	11	: :	::	- :	::	11	::	: :	11	11	11	: :	::	::	::	11	11
Total deaths by accidents and neg-				-						-						-		-	1				1	-	1		1	1	Ì

## CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, TABLE No. IV-Continued.

REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.

	7	0 -	yea	rs.	10.7	0 20	year	ń	40 to 45 years. 45 to 50 years. 50 to 55 years. 55 to 60 years.	55	rears	5.5	to t	io ye	ars.	29	to 6	60 to 65 years.	ALS.	65	65 to 70 years.	yea	Ľ8.	22	70 to 75 years.		15,2	75 to SO years.
Cause of death.	W.	-	2	1	1		5		W.		ಶ		W.		5	=	W.	, o	1.	W.		5		<u>₩</u>		1.	¥.	
	W.	7	M.	E.	M.	F. 3	M. I	F.	M. F.	. M.	표	. W.	7	M.	2	M.	<u>ت</u>	M.	H	M.	4	M.	F.	M. F.	N.	E.	M. F.	N.
CLASS V.—VIOLENT DEATHS.		-																						-				
Order 1.—Accidents and negligence.							-																					
Drowned	C.S	:-	1 1	::	: :		1	::				-	: :			-				-		; -	: :				: :	: :
Fracture of femur, (fall of bank of	-	-												-														
Fracture of femure			: :					:	: -			: :		1 1	: :	:	:	:		:	: :	: :	:		:		: :	: :
Fracture of legs and thigh	:		-	-	:	-	-	:					-		:		:	:									: :	:
Fracture of skull, (fall from building) Fracture of skull	1	:	:	:	:	:	:	-	:	1	1	:	:	1	:	-	1	:	:	:	:	:	:	:	:	:	:	:
Fracture of skull, (by blow)					: :		: :						: :		: :		: :		: :				: :	: :	: :		: :	: :
Fracture of skull, (by fall)	1	:	:	-	:	-	:	:		-	-		:	-		-	:	:	:	:	-	:	;	:	:	<u>:</u>	:	-
Kined by blow on abusinen Killed by lightning	: :		;	:	:	-	:	:	:	:	:	:	:		:	:	:	1	:	:	:	:	:	:	:	:	:	1
Killed by railroad				:							:		: :			: :	: :						: :	: :	: :	:	: :	: :
Neglect at birth	1	:	i	-	:	:	:	:	:	-		:	:	:	:		:	:	:	:	-	:	;	:	:	:	:	
Poisoned by alcohol	1	:	:	1	:	-	:	:	:	1	:	:	:	:	:	:	:	:		:	:	:	;	-	į	:	1	:
soned by caustic notash		:	:	:	:	:	:	:	-		:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	<u>:</u>
Poisoned by chloral hydrate					-	: :	: :		: :			: :	: :	: :	: :	: :	: :	: :			-	: :	: :	: :	: :	: :	: :	: :
soned by creosote	:	:	i	-	:	:	;	:	:	•	-	:	:	:	:	1	:	:	:	:		:	:	:	-	-	:	:
Poisoned by morphia		:	-	:	:	:	:	:	:	:	:	1	;	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Scald	:								: :	: :			: :	: :			: :	:					: :			: :		
Shock from fright	-	-	:						: :	: :	: :			:													:	:
Shock from surgical operation	:	:	:	÷	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Smothered, (accidental)	:	:	i	÷	:	:		:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	1	:	:	+	:
Suffocation, (asphyxia)							: :		: :	: :	:	:	-	:		:	:	:	:	:			:	: :	: :	:		
Wound, gunshot	:	:	:	-	:		:	-															-				:	
und, gunshot, (accidental)	:	:		:	:	:	:	-	:	:	:	:	:	:	-	;	:	-	:	:	<u>:</u>	:	-	+	:	:	<u>:</u>	1
Total deaths by accidents and negligence	68	G\$	-	-	-		:	-	:					6		6				-	G	-				-		

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES, Registrated for the Twelve Months ending 30, 1876.	3D AI	3STI	RAC	T O	ACT OF DEATHS IN THE DISTRICT OF COLUMB REGISTERED FOR THE TWELVE MONTHS EXDING SEPTEMBER 30, 1876.	EAT	HS E T	IN	HS IN THE DISTRICT E TWELVE MONTHS ENDING S	DI	ST	RICT TNG S	r O	F (	% ≅ 10%	UMI 1870	VIS.	F	MO	AL.	1. C	AUS	858					
	80	SO to S5		S5 to S	S5 to 90	8	90 to 95	25	95 t	95 to 100		Above 100	ove 10	•	:				ŝ.	SOCIAL RELATIONS.	RELA	VITIONS, Watow or wid-	S. 35	w.ie				
Cause of death.	, <u> </u>	c.	-	W.	c.	× ×	-	ಲ	<u>`</u> ⊭	5		, ×	<u>ಲ</u>		M.	Married.		=	Single.	့ ပ မွ		,≽	ower.	್ಟ್ರಶ		Unknown. W.   C.	j 5	
	M. F.	M.	F. M.	31	M. F.	M. F.		M. F.	M. F.	M.	F. M.	E.	×	F. M.	=======================================	M.	=	M.	2	M.	E	M. I	E.	M. I	F. M.	5.	N	1
CLASS V.—VIOLENT DEATHS. rder 1.—Accidents and negligence.			l l																						1			
Drowned (accidental)  Fracture of femur, (fall of bank of	::	11	-			1 :	- ; i	1		::	1:-			: #	-	: 🕫	:-	mie	1 :	id.		- ! ! -		11	- : :	1:	;-	
Fracture of femurs	::	11	::	11		11	11		::		11	::		:-	: -	- :	: ;		: :	-					- :			
Fracture of skull, (fall from building). Fracture of skull			: : :				: : :			: : :					: 1 -	:-:	: : :											
Fracture of skull, (by blow)	11	1 1	: :		1 :	1	11		1 :	11	-::			-	: :		1:		: :	21 -	11	1 1						
Killed by blow on abdomen Killed by lightning	::	11	: :	11		1.1	1:		: :	: :		: :				- :	:-		: :	1 1	1	1 :			-	1	: '	
Killed by railroad. Neglect at birth		11	11			: :	: :			: !		: 1		- :	: :	: :	: :		-		- (	1 1	: :	1 :	::		- :	
Overlying by mother. Peisoned by alcohol	: :	1 1				11	11	1 1				: [	. :	: :	1.1	: :	1:	-	11	-	1 1	: :	1:	1 1	11		11	
Poisoned by chloral hydrate		<u>: :</u> : :				: :	: :	: :		: :	1.1		4 1	: :	:-	: ;	: :		: :	- :	1 :	: :		1 1		::	1:	: :
Poisoned by crosote Poisoned by eating matches Poisoned by mornhia		: : :				: : :	: :							1 :	11	: : :	-	-	: :-		- 1				1 :	1.1	: :	. ;
Scald Shock from fright		-	:						:		:						. ;	-						: :		: :	. ;	
Shock from surgical operation Smothered (accidental)																										::	1	
Strangled, (accidental) Suffocation, (asphyxia)			1	11		: :	::		::	1:	11			. :		::	: :	:	::	-	01 =				- : :	::		
Wound, gunshot		+ +	1 1	::		11	11				::	::	: :		11	: :	- :	- :	-	1 1	11	::		::		1:	1	
Total deaths by accidents and negligence.				:				-		1				9	200	1-	1-		6	15 26	1 :	-	-	GS	-	1:	0.5	1 :
Account of the Party of the Par																												

TABLE No. IV- Continued.

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISPRICT OF COLUMBIA FROM ALL CAUSES,

					NAT	NATIVITY.						_			REC	APITU	RECAPIFIC LATION.				10 110,
	Distr	District of Columbia.	Colum	bia.	Othe	Other parts of U. S.	o jo s	vi.	Fo	Foreign.		Tota	d by e	Total by color and sex.	nd sex	-	Total by	_	Total by		ักฮีย
Cause of death.	W.		5		W.			6.	1.		<u>ن</u>	_	W.		:		color.		sex.	ab læ	rent latr
	M.	F.	M.	표	M.	F.	M.	표	M.	F. M	M. F.	M.	곳	M.	포.	₩.	. i	N.	프		Perc
CLASS V.—VIOLENT DEATHS.  Order 1.—Accidents and negligence.  Drowned content of femure (tall of bank of earth).  Fracture of femure (tall of bank of fearth).  Fracture of femure (tall of bank of fearth).  Fracture of skull (tall from building).  Fracture of skull (tall from building).  Fracture of skull (tall from building).  Fracture of skull (tall from building).  Fracture of skull (tall from building).  Kracture of skull (tall from building).  Krilled by blow on abloamen.  Krilled by blow on abloamen.  Krilled by blow on abloamen.  Krilled by ploy monter of skull (tall from building).  Strangled at birth.  Poisoned by causist produce.  Poisoned by causist produce.  Poisoned by causist produce.  Poisoned by causist produce.  Shock from surgical operation.  Strangled (accidental).  Strangled (accidental).  Strangled (accidental).  Strangled (accidental).  Strangled (accidental).  Strangled (accidental).	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		8 3 4 5	5.00	83.4 1 111 111 111 111 111 111		2	α				75 7 77 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		∞		22	72 :- : : ::::::::::::::::::::::::::::	₹xxxxx+ -x			78
Total deaths by accidents and neg-	15	1-	00	50	13	7.0	15	15	9	-		35	13		35		47 59	59 58	48	3 106	6 2. 496

TABLE No. IV-Continued.  CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,  REGISTRED THE TWELYE MONTHS FUNDER 39, 1576.	LED	AB	STI	RAC	O L	F D	EA7	TAB	TABLE No. IV-Continued.  RACT OF DEATHS IN THE DISTRICT OF COLUMBI  REGISTERED FOR THE TWENTER MONTHS FRONCE SEPTEMBER 39, 1576,	TH TE M	IV-	Cont	inue, 'RIC	d.	)F (	OL SOL	UMI 0. 187	3IA 6.	FR	MC.	ALI	707	IUS	ES,					
	Unc	der 1	Under I month. I to 4 months. 4 to 8 months. S to 12 months. I to 2 years.	ath.	1 4	4 m	onth	- ·	<b>1</b> to	om ,	nths.	<u>x</u>	to 1:	lom 2	nths.	-	to s	year	zů.	35		2 to 3 years. 3 to 4 years. 4 to 5 years.		\$ to	# yes	Jrs.	4 to	5 5	ears.
Cause of death.	=	W.	2	c)	W.	-	c.		¥.	-	0.		₩.		5	_	W.		1.	₩.	-	೨		≥.		c c	₩.	-	5
	M.	표.	M.	표	M.	F.	M.	F.	M. F	F. M	M. F	F. M.	프	M.	표	M.	포.	M.	조.	M.	굨	M.	F. A	M. F.	M.	E.	M. F	F. M.	5.
CLASS VVIOLENT DEATHS.																													
Order 2.—Homicide.							-																_						
By stabbing By fracure of skull Fracture of skull by blow Infanticide 3 9	1111			G\$																									
Total homicidal deaths	:	m		35							-	:						:		-									
Order 3.—Suicide.							1																_	-			_		
By poison, (laudanum)						::							:												::	11			
Total suicidal deaths												:					-	1	:1								1		
Total violent class	25	9	Çž	22	-	:			21		m		-	:			-		-	31	-	21	_			-			-
Grand total from all causes	901	5	145 121	-		25	98	20	32	901 69	25	53	53	2	120	Ł	3	117 126	971	31	27	ç	49 14	4 16	91	77	=	13 6	6 13
								-	-																				

TABLE No. IV-Continued.

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES,

			R	EGIST	TERE	D FO.	REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876.	T a	VELV	E M	ONTH	IS EN	DING	SEP	TEMI	SER .	30, 18	.928					1				1			
	Tot	Total under 5 years.	nder		5 to	2	5 to 10 years. 10 to 15 years. 15 to 20 years. 20 to 25 years.	ri .	10 to	15	years	- ·	5 to	07	ears.	<b>*</b>	0 to	25 5	ears.	÷	5 to	25 to 30 years.	ars.		30 to 35 years.	10 ×		35 t	35 to 40 years.	_
Cause of death.	W.	-	c.	1	W.	-	5	1	W.	-	5		₩.		5	-	W.		c.		W.	_	C.	=	W.	5	1	W.		5
	M. F.		M.	E.	M.	F.	M. F.		M. F.		M. I	F. M	M. F	F. M	M. F	F. M	M. F.	W.	34		M. F.	M.	34	M	M F. M. F.	M.	- N	M. F.	M. F.	1
CLASS VVIOLENT DEATHS.															1												1			1
Order 2.—Homicide.					-																									
By stabbing By fracture of skull by blow Fracture of skull by blow Infanticide Infanticide								: : : :			1 1 1 1	- : : :	<u> </u>	1 1 1 1				- : : :								1111				1 1 1 1
Total homicidal deaths		8		8	:			1:	:	1:	1:		1	:	1:	1		-	1	1	1:		Li	1:	1:			1:		1 :
Order 3.—Suicide.								11		[]			11		li li	-				1						-	1			1
By poison, (laudanum) By poison, (aconito).			11	11		11	- : :	::	- ; ;	::	::	-::				- : :	- : :	::			11		1	-		11	-::			- ; ;
Total suicidal deaths						:		:		:	: 		:								1			-	1:	:		1:	1:	:
Total violent class	00	6	4	19	CS.			5	5	-	60	1 77	GZ	}	F		2	4	:	C\$		6	C5	4	-	4	2	:	1:	-
Grand total from all causes 452 432 607 573	152	132 6	07 5		37	35	34	35 1	19	24	17.	19	25 29		53	, m	39 35	12	65		4	50 44 41	20	1 89	48 68 49 40 34 56 58 38 42	0 34	98	28	28	22

	4	to 4	15 ye	40 to 45 years. 45 to 50 years. 50 to 55 years. 55 to 60 years. 60 to 65 years. 65 to 70 years.	15	to 50	year	25	50 to	55	years	15	o to	60 y	ears.	9	9 9	5 year	US.	65 to	020	year	20	5	70 to 75	10	12	75 to S0
Cause of death.		W.		5	¥	W.	3		W.	-	:		¥.		5	-	W.	3	5	₩.		ప		×. ×.	W. C.		ž. ≱.	W. C.
	M.	E.	M.	M. E. M. E. M. E. M. E. M. E. M. E. M. E. M. E. M. E. M. E. M. E. M. E. M. E. M.	M.	포.	M.	E.	M. I	1 S.	I. F	, M	7	N.	3	M.	3.	N.	포	M.	골	M.	F.	II.	M. F. M. E. M. F. M. F. M. F.	E	- E	M.
CLASS V.—VIOLENT DEATHS.												1	1				1					,		-			-	
Order 2.—Homicide.								-																				
By stabbing By fracture of skull Fracture of skull by blow														1111	1111	::-:		- : :		1 1 1 1	1111	1111		::::				
Total homicidal deaths		1	1:			1:		1:		1:			1:	1	1:	-		:	1	1:				1:	1:		1:	
Order 3.—Suicide.				,			-		1									1				1	-					
By poison, (laudanum)	::		1			: :		- :	- :	1:						::	::	::		1:	11	- : :	1:	1 :			1 1	
Total suicidal deaths								1 :	:	1:		1:	-		:	1:	:	1:	1:	1:	1:	1:		1:			1:	
Total violent class	G\$	G₹	-	-	-			-	01			:	1	G\$	1:	2	1	-		-	35	-		1 :			1	1
Grand total from all conses	102	08.	97	00	54 34		8	25	13.	Fo	-	3		100	3	1	100	1 9	200 000	- 16		11	1	8		1		

CONSOLIDATED ABSTRACT OF DEATHS IN THE DISTRICT OF COLUMBIA FROM ALL CAUSES. TABLE No. IV-Continued.

1 10 Unknown. 5 M. 35 2 M. F. GS. 14. 34 Widow or wid-4 \$ 137 5 1 N. : : 35 OWeT. SOCIAL RELATIONS. 08 4 1 16 Ä 1 . w က 35 240 3 Single. 991 16 N 009 E. :00 33 \*\* 14. 829 25 M. 96 E. -991 Married. 5 REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876. œ 324 224 213 M. 3 3 W. M. 111 ... -3 4 Above 100 5 years. M. : n M. F. \_ 14. 95 to 100 £ m ಲೆ M. Years. G\$ 7 1 M. C.S 7 35 90 to 95 5 years. M. E. C. ¥. M. \_ E 10 S5 to 90 5 M. years. 9 M. F. 3 W. œ 7 : ||= So to \$5 ಲೆ years. M 00 M. F. 50 W. By stabbing
By fracture of skull
Fracture of skull
Infanticide By poison, (laudanum) Total violent class ..... Grand total from all causes..... Total suicidal deaths ..... CLASS V.-VIOLENT DEATHS. Order 2.-Homicide. Total homicidal deaths Order 3.-Suicide. Cause of death.

	ORDERS.
	AND
TABLE No. V.	RECAPITULATION BY CLASSES

			AGE OF DECEDEN					,				AGE	AGE OF DECEDENT.	ECE	DENT	1											P
Classes and orders.	Und	er I	Under I month.	j.	I to 4 months.	m I	nths.		to S	4 to 8 months.	ths.	ž	S to 12 months.	mom	ths.	-	?	I to 2 years.	ż	39	m	2 to 3 years.	-	<b>8</b> 50	, y	3 to 4 years.	
	W.	-	ರ		W.	-	5	-	W.	_	c.		W.		c.	W.		C.		*		c.	1	=	-	ಲ	
	M.	표	M.	F. N	M. F	F. M	М. F.	. M.	표	M.	균.	M.	조:	Ä.	곳.	M.	조:	M.	죠:	M.	2	W.	3.	M.	元	M. F.	1
I.—Zymotic diseases. II.—Constitutional diseases. III.—Local diseases. IV.—Developmental diseases. V.—Violent deaths.	21 25 25 25 25	33.25.25	20520	25 2 1 3 1 2 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	8 4 3 t   4 € 9 . :	5 3 3 1 1 2 7 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1		# + # # # # # # # # # # # # # # # # # #	8 x 2 3 ;	45.84 - I	± 0 ¥ − E	g=2::	2 - 8 -	8 = :	529 H	898::	4=2 :-	842	#98 :-	₩ = :01	279:-	1- x x :01	=== :-	979	6-9	202 : 1	20 m :-
I.—Orders: 1.—Mismatic diseases 2.—Enthetic or inculated diseases 3.—Dietic diseases 4.—Parasitic diseases	0 : w m	0-10	= c₁ co ∞	2 9 1	6 3 36		80.70	86 27 1	8 : : :	003.4-	8 :1 :	8 :0, -	0₹ 0₹ 0₹	; : : : : : : : : : : : : : : : : : : :	8-43	Ç :-	∓ :- c≀	92	g-7	2 : : :	2:::	2 : : : 2	0 1	9	. 6 ; ;	© 65 ; ;	10::::
11.—Urders: 1.—Diathetic diseases					es =	+ 24	==	1 3	4 +	200	n n	, m	6.5	w 10	m 3.	6	- 9	20 7	20	೧₹ ೫೦	C1 C1	x	e =		-	:-	1 6
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TABLE No. V Continued.  DECADINITATION BY CLASSES AND OPPEDS		
ed.	ORDERS	
TABLE No. V	ANI	Continued
r.L.	LATION BY CL.	TABLE V.
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	RECAPITULATION

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L-Orders: 1Miannatic diseases 2Enthetic or inccutated diseases 3Dictic diseases 4Parastic diseases					E 62	g 23	233	i-	31-31 10	<u>∞</u> - <u>m</u> m	2===	型 a 到 a	. 31	=-	7	-	-   OS	m	34
II.—Orders: 1.—Diathetic diseases 2.—Tubercular diseases					2 %	31 53	= 19	57 67	四里	33.5	91 19	38	-2	35 55	en 30	2 %	0₹ 20	-	
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Orders: 1.—Developmental diseases of children: 2.—Developmental diseases of women: 3.—Developmental diseases of see. 4.—Developmental diseases of nutrition		-	Cs .		_ ∞	42 - 65	1 7	35 4 85	5 :	± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±	173 - 35 - 35	54 € 64 ±		, is -	16	- 22	5	. – ся	
V.—Orders: 1.—Deaths from accidents and negligence. 2.—Homicoldal deaths. 3.—Suicidal deaths.					10	e : :	7	-	S 35 −	68	15	386		- ! !		65	- : :		GS .
Deaths from all causes		-	3	4	324	554	213	166	889	009	994	740	91	180	20	137	34	12	15

	4	RECA	PIT	UL	ATI	NC	BY	CL	ASS	TON BY CLASSES A	VNI	RECAPITULATION BY CLASSES AND ORDERS.	DERS.								
					NA	NATIVITY.	۲.									RECAPITULATION	TULATI	ON.			
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1.—Orders: 1.—Masuatic discuses 2.—Patheric or incentated discuses 3.—Patheric discuses 4.—Paratic discuses	202	8-32	9 = = =		₩ - es -	₹= 21	E = -	gn ; ;	2-7:	9:-:	1::::	26.55 2.05 2.05 2.05 3.05 3.05 3.05 3.05 3.05 3.05 3.05 3	# 2 2 m	\$ B 5 E		温 ぬ 主 ェ	皇君芳至	ĒI=E	\$=% c	易治疗法	20 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
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5.—Diseases of irrinary system 6.—Diseases of generative system 7.—Locomotory (osseous) diseases 8.—Locomotory (integimentary) diseases		- 01 01 -	- 10 21				:			2 - 121		1 1 1 1			L 28 T	i i i i i i i i i i i i i i i i i i i	7 – ≅ ≈	:	201-7		
1.—Developmental diseases of children 2.—Developmental diseases of women 3.—Bevelopmental diseases of age 4.—Developmental diseases of nutrition.	£ :	÷22-	E - 21	2	: FF (*	: # 37	- 18 x	3188 (*	: :99	19 = 31		S   4	\$8±"	3   5 2	7 4 × ×	<u> </u>	2494	= [7-77	2882	3858	25 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
v.—Orders: 1.—Deaths from accidents and negligence. 2.—Homicidal deaths 3.—Suicidal deaths	2 : :	(- m	T.	8 n	<u> </u>	10	5 21	12 : 1	i =   ω  -	- : :	- : :	₩ 25.25	= n :	₹ ?! !	19 m	<u>1</u> 10 21	95 6	19 ± 21	4 °	901	997
Deaths from all causes	2-1	563	6.5	645	<u>r</u>	330	7	101	38	133	:	1, 137	1,016	1,011	1, 052	2, 153	2, 093	35	2, 06k	1, 246	100, 000

## TABLE No. VI

EXHIBITS TOTAL MORTALITY IN CLASSES BY MONTHS, QUARTERS, AND FOR THE YEAR, SHOWING, BY SEX AND COLOR, THE AGE OF DECEDENTS, SOCIAL RELATIONS, NATIVITY, DURATION OF RESIDENCE IN THE DISTRICT OF COLUMBIA, AND DURATION OF LAST SICKNESS; ALSO, A GRAND AGGREGATION OF THE NUMBER OF DEATHS BY CLASSES, MONTHLY, QUARTERLY, AND ANNUAL.

YEAR ENDING SEPTEMBER 30, 1876.

7 B H

						7	ABL	TABLE No. VI.	VI.															
									MOR	MORTALITY, BY CLASSES.	Y, 113	CCLA	25 25 25									AGE	AGE OF PECE.	DEC.
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Total for quarter ending December 31, 1875. Total for quarter ending March 31, 1855 Total for quarter ending June 30, 1856 Total for quarter ending September 30, 1876.	11111			#287	8888	\$388	1282	1111					- 11		11111		First	111			1	:	- : :-	21

TABLE No. VI-Continued.

										4	GE 0	AGE OF DECEDENT.	CEDE	NT.											
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Class and month.	35 5	35 to 40 years. 40 to 45 years. 45 to 50 years. 50 to 55 years. 55 to 60 years.	year	aç	0 to	45 3	ears	7	5 to	50 3	еагв.	20	20	55 ye	sars.	55	to 6	0 yes	are.	99	60 to 65 years. 65 to 70 years.	5 year	LLB.	65 t	0 2 0	yea
	₩.	-	5	1	W.	_	c.	1	W.		C.		W.		5		W.	ಲ		=	W.	5	1.	W.		c.
	M.	F.	M.	F.	M. F	F. M.	Ei	. W.	E.	. M.	표.	M.	표.	M.	7	M.	4	M.	표	M.	न	W.	H	M.	표	M.
April RECAPTTULATION.	01-10	10 20 44	0104	-00	1-01-4	400	2000	0,0,0	6131-	0101-		444	00 63 63	10	6	1010-	4.8		9	w w 21	m m =	35.25	4-10	3-6	-01:0	-010
	14	15	12	12 1	13 11	1-	100	ο ο	100	5	-	27	13	2	8	=	100	2	9	20	10	4	00	9	x	00
July Anguet September	00 to 44	9-9	G1 : 00	84-	1 2 2	10 0	1	-00	1000	43.64	0001-	200	1 8	- 22 4	e - :	40	တက္သ	7 01	- 01 03	200	40100	35 23 35	31-4	<b>→</b> ∞ :	4314	10 01 H
Total for quarter ending September 30, 1876	15	13	2	00	14	1-	00	91 9	3 10	20	9	=	77	00	4	10	Ξ	9	5	=	0.	2	-1	12	10	00
Grand total by sex	26	38	38	55	50 39	9 27	33	55	8	83	33	25	35	25	17	25	7	53	83	53	98	35	02	E .	200	26 23
Grand total by color	114		80		68		49		26		44	0,	91	4	41	6	93	45	10	83	_	5.7		69		49
Grand total both colors		194				138				135			1	132			13	138			125	7.0			118	_

					1	ABI	CE N	TABLE No. VI-Continued.	1-0	ontin	ned.															
												AGE	OF L	AGE OF DECEDENT.	ENT.											
. Class and month.	20	70 to 75 years. 75 to S0 years. S0 to S5 years. S5 to 90 years. 90 to 95 years. 95 to 100 years.	5 ye	ars.	75 t	080	year	on di	0 to	S5 y	ears.	82	to 9	0 ye	ars.	90 t	0 95	year	- s	5 to	00	rear		Above 100 years.	bove I years.	<b>—</b> .
		W.	2	c.	W.	-	c.		W.	_	c.		W.		c.	=	W.	2	1	W.	-	c.		W.		ಬ
	M.	M. F.	M.	표.	M. F.		M. F.	1	M. F.	. W.	E		М. F.		М. F.	M. F.		М. F.		M. F.		M. F.		M. F.	M.	
April RECAPITULATION. May June	6000	4.4.03	6-	- 03	63 € →	21 m G1	- in	60 64 1	to .03 co co co co		1 1	-	n =	- :	- : :											
Total for quarter ending June 30, 1876	1-	10	4	3	9	1	4	10	5 7	-	-	-	4	-	-											
July Angust September	₩ ₩	64-	e - :	4 31 -	F- 01 W	77 C8 27	21 21	1:	E :-	1	-	- :-	चर चर		- : :			: :-						- : :		
Total for quarter ending September 30, 1876	22	20	7	1-	27	5.	7.0	05 10	5	-	:	35	7	-		-	:	-						-		
Grand total by sex	37	36	2	17	33	25.	15 1	14 14	02	700	=	00	22	9	5	-	25	-	G\$	S#	1	01	3	-	60	
Grand total by color	73	~	8		61	-	65		34		19	G8	07	=	-	8		6		C1		52		-		
Grand total both colors		103	_			96				53			6	31			9				ţ~				90	

					1	[AB]	TABLE No. VI-Continued.	10.	1-C	ontin	ned.															
						SO	SOCIAL RELATIONS.	REL	ATION	œ										Z	NATIVITY.	TTY.				
Class and month.	-	Married.	ied.		32	Single.	·e.		Vido	Widow or wid- ower.	wid-		Unk	Unknown.	4	Di	strict of lumbia.	District of Columbia.	ço.	Oth	Other parts of United States.	arts	of se.	F	Foreign.	j.
	M	W.			W.		c.		W.		5		W.		c.		W.	ى ت		W.		5		W.	-	c.
	M.	표	M.	E.	M. 1	F.	M. F	F. M	M. F.	. M.	<u>-</u>	M	F	M.	3.	W.	压	M.	E	M.	E	M.	E.	М. 1	F.	M. F.
April RECAPITULATION. May June	8 2 3	19 16 16	119	122	35 TO	888	8.52	28.2	28 8 2 17 10 10 10 10 10 10 10 10 10 10 10 10 10	P.410	12 12	900	CN 24 24		:::	283	888	2 to 20	355	30 82	13 24 26	3.88.2	38 238	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9	-
Total for quarter ending June 30, 1876	75	75	54	43	183	150 18	161 681	-	13 45	91 9	83	21	9	8	:	163	121	175	162	73	69	86	105	46 3	35	1:
July August September	28 83 83	B ∞ 61	877	12 12 12 12	001	94 10 79 7	104 73 62 62 67		10 15 10 8 10 8 5 17	1000	29 7	2	:	0.1	35 35	2 2 3 4	223	25.23	82.8	32	<b>433</b>	882	642	858	2-7	
Total for quarter ending September 30, 1876	82	99	33	45 2	238	222	239 242		55 40	11 0	35	6	Cd	8	4	203	500	305	215	22	91 1	107	108	74 3	33	2
Grand total by sex324	324	554	213 166		99 929	600	766 740		91 180	0 20	137	35	15	27	1	9 581	563	649 645 318 320	645	318	620	389 407		238 13	133	3
Grand total by color		548	379	6	1,288		1, 506	100	271		187		46	-,	21	1,	1, 144	1, 294	94	638	90	796	2	371		3
Grand total both colors		927	15			2, 794	4			458				1.9			2, 438	38			1, 434	34			374	

		1																				1	1			
								DU.	RATIC	O NC	FRE	SIDE	DURATION OF RESIDENCE IN THE DISTRICT OF COLUMBIA.	N TH	E DE	STRIC	T OF	COL	UMBI	. Y.						
Class and month.	Unc	ler I	mon	Under I month. I to 4 months. 4 to 8 months.	1 to	4 m	onth	- sô	\$ \$0	S mc	onthe		S to 12 months.	₩ m	onths		I to 2 years.	yes	trs.	34	2 to 3 years.	yea	Irs.	. 63	3 to 4 years.	year
	W.	7.	c.	1	W.	-	c.	1	W.		c.		W.	-	C.		W.	_	c.		W.	L	0.		W.	c,
	M.	E.	M.	F	M.	E.	M.	F.	M. F	F. M	M. I	E. M	M. F.	. M.	F.	W.	표.	M.	压.	M.	E	M.	표	M.	곳.	M.
RECAPITULATION.																										
April May June	113	2 9 E	4 0 0 0	11 19 17	& vo 36	5 1	1934	18.76	23 × 52	55.5	10 8 4	1253	10 10 10 10 10 10 10 10 10 10 10 10 10 1	9 13 6	116.29	50.5	10 ac 25	54.53	∞ c1 1-	24	. wo co co	40,10	640	e = -	C\$ 579 C\$	444
Total for quarter ending June 30, 1876	4	35	75	55	36	31	36	31 3	36	33	1 58 1 75 1 75	25 17	7 13	88	2	133	98	31	11	1-	20	=	120	4	1-	6
July August. September.	222	5106	122	2.00	504	7=1-	202	10 10 4	247	25.4	12.22	22.	16 10 15 10 10 10	2007	822	27 20	212	===	12 12	0.04	13.44	000	440	08 20 20	es es −	m - m
Total for quarter ending September 30, 1876.	67	1 %	8	37	33	32	35 3	35 4	35	39 36		36 34	200	31	36	7	7	8	53	16	=	55	=	000	9	1-
Grand total by sex	145 1		100	671	26	\$ 00 m	97 102		97	20 130		e0 71	1 64	8.	20	108	107	2	132	9	20	29	69	30	25	34
Grand total by color	252		989	-	35		199		177		008		135		171		215	4.	253		150		197		65	89
Grand total both colors		541				381				377		-		309				468		-	24	214			-	130

						TVI	LE	.00	1	Cont	TABLE No. VI-Continued.			Ш												
								DC	RAT	DURATION OF RESIDENCE IN THE DISTRICT OF COLUMBIA.	F RE	SIDE	NCE 1	N TH	E DE	STRIC	T OF	COL	UNIBI	4.						
Class and month.	4	4 to 5 years.	year	pć.	5 to	10	years		10 to	5 to 10 years. 10 to 20 years. 20 to 30 years. 30 to 40 years. 40 to 50 years. 50 to 60 years.	year	90	<b>G</b> to	30	ears	ň	to.	10 y	ears.	40	to 5	0 ye	ars.	50 t	090	year
	-	W.			W.	-	c.		W.	-	2		¥.	-	C.	-	W.	_	c.	1	W.	0	1.	W.		ಶ
	M.	E	M.	E	M.	Fi	M.	(F)	M.	E.	М.	F. N	M. F	F. M	M. F.	M.	124	K	교.	M.	표	M.	14	M.	Fi	M. F.
RECAPITULATION.														-												_
April 3 3 June 2 2	20.04	<b>→</b>   0.5	-01-	GR G1	180	41-10	91-9	=2×	17 12	212	191	13	535	00 10 10	21 — E	657	œ 8 4	933	01719	44	<b>60 4 €</b>	- :-		c:	ლ	63 63
Total for quarter ending June 30, 1876	10.	8	4	5	23	16	19	53	36	37 3	35 3	37 1	18 19		9 9	1 20	13	6	91	9	6	CS	8	4	10	4
July Angust September		4		မာလက	84.5	₩ 05 E-	w ro 25	0 m = 1	923	227	1202	12 11 11 11 11 11 11 11 11 11 11 11 11 1	220	24 20 10	25 25	0000	-1100	m – c₁	34 35 35	4.01 →	40	-	8	0,0	01 01	- ot
Total for quarter ending September 30, 1876.	60	9	8	00	98	33	98	33	33	36	39 4	45	28 15	1	5 4	4	13	9	9	1-	10	1-	5	14	4	-
Grand total by sex	35	33	12	88	102	96	66	123	141	139	135 143		103 79	1 6 1 6	33	09	25	23	83	34	æ	-1	20	125	8	5
Grand total by color		25	45	100	198	20	221		580		278		185	1	55		116		25	9	69	25		44		16
Grand total both colors		95				419	6			228				237				168			. 94	_			99	

	-			1		TYP	TABLE No. VI-Continued			John	nanu					1	1			1		1			1	
	DI	DURATION OF RESIDENCE IN THE DIST. OF COLUMBIA.	O NO	F RE	SIDEN	CE IN	THE	sig 3	T. OF	COLL	MBI						DUR	TION	OF	LAST	DURATION OF LAST SICKNESS.	NESS				
Class and month.	9	60 to 70 years. Above 70 years.	10 ye	ars.	Abor	70 7	) year	78	Uı	Unknown.	v.D.		Under 1 day. 1 day to 1 week.	r 1 d	ay.	1 9	ay to	I w	eek.		1 to 2 weeks.	week	ø.	<b>3</b> to	*	2 to 3 weeks.
		W.			W.		C.		W.	-	5		W.	_	C.		W.		C.	=	W.		<u> </u>	W.	-	5
	M.	더	M.	드	M.	E.	M. F.		M. 1	F. M	M. F.	. W.	74	M.	F.	M.	표	M.	E.	M.	표.	M.	7.	M.	F.	M. F.
RECAPITULATION. April May June	C1	<b>~</b> ≈ ≈	- : :	1 1		- 50			- :	1		3 10 8 50 50 50 50 50 50 50 50 50 50 50 50 50	176.9	10	16 8 19 19	823	13	116	35.55	118	51 = 31	9 6 8	. 80 - 30	9153	4010	10
Total for quarter ending June 30, 1876	. 3	9	-	-	-	7			1-	0.5	6	200	33	83	43	93	3	28	33	5.	12	51	33	=	15	20 25
July August September	C.S	<b>₩</b> G2	G1 :	- :-					t-mm		1-403 1- 03	12 13 15 16 16 16 16 16 16 16 16 16 16 16 16 16	999	===	17	883	38 10 10	27 18 21	222	25 e	2333	835	3115	25-13	20 1- 01	10 10 10 10 10
Total for quarter ending September 30, 1876	G\$	9	24	G5	G\$	GS.		-	13	4 13	6	65	36	8	33	155	13	99	20	<u>20</u>	65	49	13:	13	3	30 54
Grand total by sex	. 13	33	4	2	20	6	4	8	36	16 39	35	143	143 110	113	136	283	150	244 239 219 184 175	219	70		691	146	20	69	22
Grand total by color	35	10	11		17		<b>}</b> ~		23		13		253	Gŧ	623	1.3	527	4	458	33	359	315	13	139	_	155
Grand total both colors		46	9			55				125			4	492			ő	985			674	4			294	

						TOD	an	.00	1	Cont	TABLE No. VI-Continued.	d.															
											pu	DURATION OF LAST SICKNESS.	0 NO	F LA	ST SI	CKNE	888										
Class and month.	20	3 weeks to 1 month.	s to	-	1 to	35	1 to 2 mouths.		to to	2 to 3 months.	onth		3 to .	m m	3 to 4 months. 4 to 5 months.	-	to 3	mol	ths.		to 6	mon	5 to 6 months.	-	2 0	6 to 7 months.	ps.
	W.		c.	١.	W.			1	W.	-	c.		W.		c.		W.		C.		W.		c.	=	W.	c,	
	M.	4	M.	1	M.	E.	M.	E.	M.	F.	M. I	F.	M. I	F.	M. F	F. M	M. F.	. M.	54		M. F.	K.	34	M.	표	M.	E
April RECAPITULATION. May June.	46	0.40	200	474	10	003-1	9100	804	61.20	84-	0,0,10	914	-04	-5-	600	24-1		- 64	6	C: - 10	C1 C1	100	000	- 6	34 03 03	C3	64 ←
Total for quarter ending June 30, 1876	30	00	17	15	16	16	17	12	6	700	9 1	1	00	5 1	14 10		3	3	13	6	5	15	6	4	9	3	8
July August Septembor	111 6	200	11 2	m 00 cm	111	1 2 2 4	6 2 8	727		တယ္ဘ	004	644	10 05	004	2 - 2	1 1		- 24	:	W 04 24	-604	4000	ထေးမ	35		- cs	- 03
Total for quarter ending September 30, 1876.	53	21	ន	08	20	83	30	27	16	22	16 1	14	m	11 01	1 10	35	G5	e:	C5	1	9	Ξ	16	G5		8	2
Grand total by sex	20	8	28	61	93	77	35°	120	28	20	44 5	20 2	23	19 3	32 44	=	13	15	77	31	96	4	47	6	6	6	10
Grand total by color		98	124	7	170		163		106		94		45	1	92	1	24		68		57		94	1	18	19	
Grand total both colors.		ેર	222			333	_			500				118				23			_	151			37	-	

					T	AB	EN	TABLE No. VI-Continued.	77-1	ontin	ned.															
										-	DURA	DURATION OF LAST SICKNESS.	OF	LAST	SICK	NESS.										
Class and month.	7	7 to 8 months.	onth		to to	D mc	S to 9 months.		9 to 10 months. 10 to 11 months to 1 year.	om (	uths.	10	to 1.1	mon	ths.	=	month year.	hs to	=	1 to	1 to 2 years.	ears.	-	2 to 3 years.	yea	1.8
	=	W.	C.		W.	-	5		W.	-	c.	=	W.	· .		W.		c.		W.	-	5		W.	_	5
	M.	전	M.	F.	M. F	F. M	M. F.	. W	표	M.	표	M.	곳.	M.	7	M	3	M.	E.	M.	F.	M. F	F. M.	E	M.	뇬
April RECAPITULATION. May A	- :-	c≀ :		G\$ G\$ ──	- :-	:	25 — C5 —			: ::	::-				i i-	m 01 m	— 1.3 m	4 34 34	60 44 10	8-8	10 4 05	— m m m		63	- : :	
Total for quarter ending June 30, 1876	C5	8	5	10	07	1-	100	1 :	-	-	-	1:		25	-	1 z	=	100	15	1-	1=	19	100	3	-	1
July August September	:	:-:	35 — →	∾	- :	::	35	- :	1 :-	- ! !	- : :	1 : : :	-	-:		Cs : 4	נו מו	20 00 00	400	10 m -	10000		148-	1.3	-::	•
Total for quarter ending September 30, 1876.	25	-	7	-		-	25	-	-	-	-	1	-	-		9	01	1-	13	5.	1 =	9	100	7	-	-
Grand total by sex	=	10	1:	12	7	20	9 11	20	6.	7	5	1	35	7	-	53	#	68	45	46	37.	31	31	8 91	1-	11
Grand total by color	16		27		1-		06		17		6		G\$		13	69	(5)	7.		22		53		द्ध		83
Grand total both colors		84		1		27				98				1-			142	63			136				46	

		DER	DURATION OF LAST SICKNESS.	OF LAST	SICK	NESS.								RECAPITULATION.	TUTAL	lox.			
Class and month.	3 to 4 years.	4 to 5 years.	years.	Above 5 years.	0.5 3	cars.		hkn	Unknown.		Total by color and sex.	color	ands	ex.		T	Total-		
	W. C.	W.	5	II.		5	=	W.	5	1	<u> </u>		່ວ	1	By color.	lor.	By sex.	ex.	.stf)
•	M. F. M. F.	М. F.	М. F.	M.	F. M.	표	M.	Ξ.	M.	F.	M. J	¥.	M.	표	W.	· .	M.	곡	Den
RECAPITULATION-Continued.																			
April. May fune.	-::	- : :-	- : :	1	- m ci	111	@ to 10	4 ಚಿ	6 - 13	01 00 00	77 0.58 1.35	12 12 12 12 12 12 12 12 12 12 12 12 12 1	15 m M	27.5	141	138 238	155	25 25 25 25 25 25 25 25 25 25 25 25 25 2	296 279 491
Total for quarter ending June 30, 1876	1 1	1	-	10	9		10	6	6	00	282	225	797	267	537	529	544	555	1,066
July August September				दर दर ∶	:- :   :: : :		440	5- 05 10	-100	3-1 x	155 1	143 85 85	131 83	138 95 90	208 209 172	269 177	288 208 174	25 E E	397 397 349
Total for quarter ending September 30, 1876.	-			4	-	1:	17	=	191	2	355 3	324	311	353	629	634	999	647	1,313
Grand total by sex	20 13 4	ان 4	C8	<u>es</u>	13		9	7	20	52 1,1	1, 137 1, 016 1, 041 1, 052 2, 153 2, 093	1, 0	1,	052 2,	133	093	3, 178	2,068 4,246	2.
Grand total by color	13 5	1-	22	8		£-0	菱		100		2,153		2,093						
Grand total oth colors	2	61			41			184	-			4 946			1010		4 0 16		916 1

Armen of Justin	Distra	Distract of Co-		NATIVITY. Other parts of	For	Foreign,	Under	month.	- I to 4	Under I month. I to 4 months.	to S months.	T is	S to E	2 :
Cause of death.	W.	Immbia.	W.	ಸ	W.	15	₩.	5	₩.	Ü	W.	5	W.	ಲ
CLASS L.—ZYMOTIC.	903	007	900	養養	21.5		25	중프	35	32.7	73	# # # # # # # # # # # # # # # # # # #	# 55	33 53
By color in each period of life	1 T	400	1 30	F6	17		36	35	9	72	139	7.	09	0,0
Total gymolic deaths in each period of life.	- L	27	tond	T.		=	1-	_		158		160	=	130
Percentage by sex in each period of life to total mortality ( $M_\odot$	16 <u>1</u>	1,710	1.177 1.177	\$\frac{1}{2}.	565		355	350	\$\frac{3}{2}	1.073		1,036 1,107 . 884 1,801	636	(= ?? (= £
Percentage by color in each period of life to total mortality.	10, 171	9, 420	2, 113	77	989	966	1.	ess.	1, 766	1.975		1.965	1, 500 1, 965 1, 413 1, 649	1.640
Percentage of zymotic deaths in each period of life to total ? mortality		19,594	=	1333	÷.	9999	11	1348	m	3.75	ri	3.567	56	3.062
CLASS II.—CONSTITUTIONAL.  By sex in each period of life	2.2	3 5	00.011	24	32	:::	21 71	21.25	- 9	= (*	{~ I.	27 '9	3 11	J. 21
By color in each period of life.	177	77	150	0.5			-	7	10	<u>+</u>	12	7	T	0.5
Total constitutional deaths in each period of life	m	394	2	621		F6	,			ei Te		88		<del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del>
Percentage by sex in each period of life to total mortality $\begin{cases} M & \dots \\ F & \dots \end{cases}$	200 50	5 5 0.95 0.95 0.95	2, 591	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1.160		.047	710.	. 099.	. 165	19 4	27 E	. 071	- 35 X 25 X 25
Percentage by color in each period of life to total mortality.	4, 169	5, 110	1, 2339	6, 571	777	:	. 0!!4	10.0	. 235	124	.353	77	.330	17.
Percentage of constitutional deaths in each period of life to total mortality		9,279	16.	10,510	77	<del></del>	7	Ţ		(550	(1	111	Ĭ.	10%

TABLE No. VII—Continued.
RECAPITULATION—TOTAL DEATHS BY CLASSES—PERCENTAGES.

133	Cause of death.	Total under I year.	nder I	3	to 🕏 Acats.	2 to 3 years.	cal's.	3 to 4 years.	Veets.	of to 5	15. S.	Total v	Total under 5 years.	5 to 10 years.	9 2
133		14.	5	W.	ť.	1	÷.	. <u>.</u>	ಲ	W.	5	W.	ن -	 IF.	5
10   272   124   23   24   25   25   25   25   25   25   25	XMOTIC.		141	24	¥ <del>4</del>	<u> 22</u>	==	10 ct	L iO	A. m	- 71	010	206 187	15	33.00
3. 132   3. 241   1. 175   1. 180   3. 400   1. 141   1. 182   1. 183   4. 946   4			273	97	170	13	7.	15	13	=	200	398	403	35	18
3. 132   3. 431   1. 175   1. 130   1. 243   1. 212   1. 153   1. 213   1. 213   1. 213   1. 214   1	Total zymotic deaths in each period of life.	is in	o,	7	-	E		41	2	-	-	L	. 10	2	
5. 857         6. 407         2. 285         . 6. 407         .	Percentage by sex in each period of life to total mortality $\left\{ egin{aligned} \mathbb{R} \end{array}  ight.$	3, 139	3, 321	501	. 651 - 130 - 500 - 130 - 130	98.97	.400	= = = = = = = = = = = = = = = = = = =	7 2	45	. 024	4.946	4. 610	. 171	% <b>=</b>
12   23   24   25   25   25   25   25   25   25	Percentage by color in each period of life to total mortality	5.87.5	6. 407	2. 2.5	:: 0 !!	688	. 629	.353	.306	. 259	. 071	9.373	9, 491	7.	157
16   33   9   27   4   1   1   1   2   1   1   1   2   4   1   1   2   4   1   2   4   1   2   4   1   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   4   2   2	Percentage of zymotic deaths in each period of life to total? mortality	3	5	\$6 ***		1.2	7.	ų.		£.		12	901	3	γ.
103   20   20   20   20   20   20   20	STITUTIONAL.	16	R 67	e II	G1 G1	is a	x =	?! —	10		7	# <b>=</b>	8 8	-	9 15
103   777   213   718   718   719	By color in each period of life	<b>\$</b>	09	08	55	6	35	n	=	31	-	22	149	1	77
350   377   213   380   318   318   318   324   325   328	Total constitutional deaths in each period of life	10		£-		31		-		9	1	G G	9	56	
1.012     1.413     .11     1.225     .212     .514     .071     .250     .077     .094     1.813     3.509     .094       2.425     1.086     .730     .380     .141     5.322     .589	Percentage by sex in each period of life to total mortality $\left\{ egin{align*}{c} M_{\odot} \end{array}  ight.$		. 636	. 919	. 586	.118	.330	.047	188	-	.094	1. 036	1. 625	+20.	.912
intional deaths in each period of life to } 2.425 1.096 .730 .330 .141 5.322	Percentage by color in each period of life to total mortality.	1.013	1.413	12.	1, 225	. 912		. 051	665.	1	160.	1.813	3, 509	. 024	.565
	Percentage of constitutional deaths in each period of life to total mortality	ु इं	70	1.69	9	.730	1			= =:	T-	5.3	33	.580	

RECAPITULATION—TOTAL DEATHS BY CLASSES—PERCENTAGES.	ON-T	OTAL	DEAT	HS BY	CLASS	EST	ENCES	TOWN	ó					
Canse of death.	10 t	10 to 15 years.	Ne.	15 to 20 years.	20 to 2	20 to 25 years.	25 to 30 years.	5 to 30 years.	30 1	30 to 35 years.	35 to 10 years.	9 %	10 to 45 years.	17 g
	W.	ప	W.	ပ	<u> </u>	°C.	W.	.;	₩.	5	H.	c.	W.	ರ
CLASS 1.—ZYMOTIC.  (M. By sex in each period of bite	10.5	- 2	£- (-	9 (-	77		F 10	u m	F- 13	<b>+</b> -	70 00	Q1 Q1	4 12	413
By color in each period of life	15	(-	Ξ	13	x	9	13	6.	13	G	Ξ	7	1-	6
Total zymotic deaths in each period of life	Ğ₹	8	G,	50	11	_	21	37		7.	<u>.</u>		9	
Percentage by sex in each period of life to total mortality $\left\{ egin{align*}{c} M \end{array} \right.$	235	. 141	99	141	160	9.1.	9 E	. 071	. 141	150	= 0; 7: 0;	0.00	100.	.091
Percentage by color in each period of life to total mortality	. 353	. 165	.330	. 306	70	145	.306	27	.306	<u>z</u>	.330	. 091	165	27 27
Percentage of zymotic deaths in each period of life to total } mortality.	ζ.	T.	.9.	.636	.330	01	įά	×16.	7.	要	77	_	377	1-
CLASS 11.—CONSTITUTIONAL.  By sex in each period of life	en 20	7C 7D	rm	31	61	3.8	13.62	7 %	8 2	11 9	5.2	= 22	2 7	55 00
By color in each period of life	==	16.	60	9	34	650	2	46	57	30	Ř	36	37	25
Total constitutional deaths in each period of life	1.67		φ	65	88	-		L D	2	C.	13	15	1.3	55
Percentage by sex in each period of life to total mortality $\left\{ \begin{array}{l} M \\ F \end{array} \right.$	170.	7. 2	. 165	.330	.447	$\frac{\partial}{\partial z} \frac{x}{\dot{z}}$	95.	154	565	.330	88.	.330	77	27 27 27 28
Percentage by color in each period of life to total mortality.	929	377	1:1:	1.060	500	1.390	986	1.0%	1.349	707.	216.	<u>r</u>	70	. 495
Percentage of constitutional deaths in each period of life to total mortality	.6.	.636	1.2	1,531	27	2.190	GI	9 073	21	2.019	1 766	92	1,366	99

TABLE No. VII-Continued.

RECAPITULATION—TOTAL DEATHS BY CLASSES—PERCENTAGES.

Cause of death.	45 to 50 years.	50 50 rs.	50 to 55 years.	55.	55 to 60 years.	60	60 to 65 years.	3 %	65 to 70 years.	2.5	70 t	70 to 75 years.	75 t	75 to SO years.
	W.	ಲೆ	W.	ಲೆ	W.	ı,	.i.	:	₩.	5	W.	ن ت	W.	ಲೆ
CLASS I.—ZYMOTIC. By sex in each period of life	13.4	9	5. 44	-	10.01		01.00	m —	es m	G\$	m	G\$	. Cs	
By color in each period of life.	6	9	13	-	1-	31	5	7	5	21	4	35	G.	-
Total zymotic deaths in each period of life	15	1	7		6		6.					9		20
Percentage by sex in each period of life to total mortality $\left\{ M\dots\right\}$	. 118	141	918	. 024	. 047	. 0.24 1.00	. 047	.023	740.	. 047	.071	. 047	.047	.023
Percentage by color in each period of life to total mortality.	212	141.	.306	£20°	191	. 048	= 0	1004	= =	. 047	. 094	. 047	. 047	. 023
Percentage of zymotic deaths in each period of life to total a mortality	. 353	33	.330	0,	. S. E.	•	. 213	7)	. 165	13		.141	0.	020
CLASS IL—CONSTITUTIONAL.  By sox in each period of life	==	F= 30	五四四	1- x	22	1-0	4.0	20 00	4=	10 4	10.00	G1 →	ლ დ≀	G\$
By color in each period of life	27	15	98	15	33	91	10	9	15	6	14	9	2	25
Total constitutional deaths in each period of lifo	4	45	14	_	20	20	T T	16	55	_		50		-1
Percentage by sex in each period of life to total mortality $\left\{ egin{align*}{c} \mathbf{M} \ldots \end{array} \right.$	. 259	1983	. 306	. 165 981 .	778.	. 164	. 094	. 071 170	. 259	. 118	.118	.094	.047	.047
Percentage by color in each period of life to total mortality	. 636	.353	.612	.354	151.	.376	. 235	311.	. 353	212.	. 330	141.	.118	. 047
Percentage of constitutional deaths in each period of life to total mortality.	6.	. 989	996	99	1.130	30	.377	-	13.	. 565	4.	.471	-:	.165

RECAPITULATION—TOTAL DEATHS BY CLASSES—PERCENTAGES.	ATOT-NOT	TAL DEATHS BY CLA	Y CLASSES-	PERCENTAGE	rj.			
Parsa of Jacth	So to S5 years.	\$5 to 90 years.	90 to 95 years.	95 to 100 years.	Above 100 years.	Colors.	T.	gestps
COURSE OF SECURIO	W. C.	W. C.	W. C.	W C.	W. C.	<u>'</u> .'	್ : :	Total
Grass I.—ZYMOTIC.  By sex in each period of life						900	25.5	505 505
By color in each period of life				-		2003	7	
Total zymotic deaths in each period of life	-	_		-			1, 057	1, 657
Percentage by sex in each period of life to total mortality $\left\{ egin{align*}{c} M \end{array} \right.$		150		170		6.530	5, 026	200.21
Percentage by color in each period of life to total mortality.	120	150		620		13, 24.0	11.631	:
Percentage of zymotic deaths in each period of life to total?	120.	120.		. 021				2 2
CLASS II.—CONSTITUTIONAL.  By sex in each period of life	- 31	-				55	<u>=</u> 37	481 516
By color in each period of life	100					101	947	
Total constitutional deaths in each period of life	7	1					150	947
Percentage by sex in each period of life to total mortality $\{ \begin{smallmatrix} M \\ 2 \end{smallmatrix}$	. 047 023	150.				5.5111	5, 040 6, 6411	10, 151
Percentage by color in each period of life to total mortality	. 071 . 023	3 .024				10, 625	11.681	
Percentage of constitutional deaths in each period of life to total mortality	F60 ·	150					95, 303	55, 303

TABLE No. VII - Continued.
RECAPITULATION—TOTAL DEATHS BY CLASSES—PERCENTAGES.

			NATIVITY.	FITY.								9	1	3
Cause of death.	District of lumbia.	District of Co- lumbia.	Other parts of the U.S.	arts of	Fore	Foreign.	Under 1	Under I month. I to 4 months.	I to 4 n	onths.	months.	r is	months.	E 2
	W.	C.	W.	· .	W.	C	W.	; c	W.	°.	W.	ಲೆ	11.	ಲ
CLASS III.—LOCAL. By sex in each period of life $\left\{ \begin{array}{l} M\\ F \end{array} \right.$	196 197	85 S	31	136	55.25	35	88	25	7 5	Ħ Ħ	6. 5.	3 7 7	5 8	4.8
By color in each period of life	393	240	912	530	1.	25	539	125	77	19	21	2	99	99
Total local deaths in each period of life	933	22	266	99	ä	1×9	ž.		106	15	131		01	105
Percentage by sex in each period of life to total mortality $\left\{ \begin{array}{ll} M \\ L \end{array} \right.$	4.616	6.877	3, 815	3, 627	9, 897 1, 507	.047	. 612	1.679	. 565	811	. 565	1.083	.471	966
Percentage by color in each period of life to total mortality	9, 256	12, 717	600	6.830	4, 404	.047	1.389	9, 944	989	1.507	1.201	1, 201 1, 864	.918 1.555	1.55
Percentage of local deaths in each period of life to total mortality		21, 973	Ë	13, 330	<del>vi</del>	4, 451	7	4.333	2. 496	96	3,0	3,0%5	si	5. 413
CLASS IV.—DEVELOPMENTAL.  By sex in each period of life	59	29	8.4	68.39	85 5		4 % x	39	6-13	£ - Q\$	ot 01			
By color in each period of lite	1117	106	17-	101	41		38	85	12	6	4	CS.		
Total developmental deaths in each period of life		223	11	172		41	171	-	25		9			
Percentage by sex in each period of life to total mortality $\left\{ \substack{M\\ F} \right.$	1.390	1.319	707	. 918	. 518		1.130	1.083	.165	. 165	. 047	. 024		
Percentage by color in each period of life to total mortality	2. 756	2, 496	1,673	9.378	996.		2, 025	2.003	. 283	ĕ1ĕ.	. 094	.047		
Percentage of developmental deaths in each period of life to total mortality		5, 959	4.	4, 051	5:	906	4.	4. 027	. 495	10	.141	=		

TABLE No. VII-Continued.	A PUTILLATION TOTAL DEATHS BY CLASSES PERCENTA
	A PITFILLA
	7

Comso of death	Total 1	Total under 1 year.	1 to 3	I to 2 years.	2 to 3 years.	years.	3 to 4 years.	years.	4 to 5 years.		Total unde years.	Total under 5 years.	5 to 10 years.	E .
Cause Or abach.	W.		.₩	ů.	W.	5	W.		W.	ಲೆ	₩.	5	W.	
Class III.—LOCAL.  By sex in each period of life	97	89 94	55 55	25.52	===	20 83	99	Ξ ∞	-0	6.57	144	274	<u>= 2</u>	13 9
By color in each period of life	161	335	56	103	150	41	23	19	01	=	590	509	31	33
Total local deaths in each period of life		526	1	159	8	63	ਲ	_	16		799		ū	23
Percentage by sex in each period of life to total mortality $\left\{ egin{align*}{c} \mathbf{M} & \cdots \\ \mathbf{M} & \cdots \end{array} \right.$	# <del>+</del>	4. 451 3. 438	.683	1. 201	. 255	194	<u>+</u>	. 189	. 034	.118	3, 392	6, 453	. 283	. 213
Percentage by color in each period of life to total mortality	4. 498	7. 889	1.319	2, 426	. 494	996	3	÷ ÷	983.	928	6.836	11.987	. 730	.518
Percentage of local deaths in each period of life to total { mortality }		12, 387	69	3. 745	1.460	09	. 730	0	. 495	10	25	18.817	1. 248	20
CLASS IV.—DEVELOPMENTAL.  By sex in each period of life	57	23									57	25.2		
By color in each period of life.	103	96									105	96		
Total developmental deaths in each period of life	198	20									16	861		
Percentage by sex in each period of life to total mortality. $\left\{ egin{align*}{c} M \ldots \end{array} \right.$	1.342	1, 272									1.342	1,272		
Percentage by color in each period of life to total mortality	2. 405	5. 261									3, 405	2. 361		
Percentage of developmental deaths in each period of life to total mertality	4. 663	8									4. 663			

TABLE No. VII-Continued.

RECAPITULATION—TOTAL DEATHS BY CLASSES—PERCENTAGES.

Cause of death.	10 to 15 years.	2 %	15 to 20 years.	03 %	20 to 25 years.	125. TS.	25 to 30 years.	3.30	30 to 35 years.		35 to 40 years.	9.70	40 to 45 years.	18. 18.
	W.	ಬ	W.	ت ت	W.	5	W.	5	W.	· ·	W.	ಶ	W.	
Crass 111,—LOCAL. By sex in each period of life $\left\{ \begin{matrix} M & . \\ F & . \end{matrix} \right.$	5 6	22.1	G. X	G L	110	719	91	73	13	2 x	88	25 =	81	∞ t•
By color in each period of life	11	9	17	14	167	30	75	98	37	98	54	33	39	15
Total local deaths in each period of life	17		31		51		13	53	9	63	98	10	7.0	1-2-
Percentage by sex in each period of life to total mortality $\left\{ \stackrel{M.}{F}\ldots\right\}$	1141	.118	6. 2. T. T. T. T. T. T. T. T. T. T. T. T. T.	E 52	. 255	.330	. 259	. 330	. 565	. 424 189	. 448	. 259	. 589	165
Percentage by color in each period of life to total mortality	. 259	141	. 400	. 330	161	. 707	. 636	.612	. 871	. 613	1.272	. 754	. 919	. 353
Percentage of local deaths in each period of life to total }	₹.	. 400	. 730	09	1.201	10	- 25 to 1	20	1. 484	7	ci	2.026	1. 273	23
CLASS IV.—DEVELOPMENTAL. By sex in each period of life $\left. \left. \right\}_{F}^{M}$			-	30	G\$		10	.00	10	4	9	1 9	· GS	24
By color in each period of life			1	00	35	6	10	3	5	4	9	7	CS.	C.S
Total developmental deaths in each period of life			6		11		1	13	6		13		4	
Percentage by sex in each period of life to total mortality $\left\{ egin{align*}{c} M \end{array} \right.$			.024	188	.047	. 188	. 235	170.	.118	. 094	141.	.024	.047	. 047
Percentage by color in each period of life to total mortality			100.	. 188	. 047	. 919	. 235	.071	.118	100.	.141	. 165	. 047	.047
Percentage of developmental deaths in each period of life to total mortality			. 219	65	Ç.	.259	, e.	.306	C.	212	.306	99	. 094	14

TABLE No. VII—Continued.	RECAPITULATION-TOTAL DEATHS BY CLASSES-PERCENTAGES

Mathematical Programs   Math	TABLE No. VII-Continued. RECAPITULATION—TOTAL DEATHS BY CLASSES—PERCENTAGES.	ULATIO	N—TC	CABLE OTAL ]	TABLE No. VII—Continued. OTAL DEATHS BY CLA	I-Conti	nued. CLASS	ES-PI	SRCEN	TAGES						
M.   C.   W.   C.   W.   C.   W.   C.   W.     31	Cause of death.		45 to year	50	50 to year	555	55 to year	99 %	60 to 65 years.	6.5	65 to 70 years.	0 7	70 to 75 years.	, i	75 to S0 years.	0° 20
11   12   13   14   15   10   10   10   10   10   10   10			W.	C.	W.	ç.	W.	ಬ	W.	C.	W.	c,	W.	Ü	W.	2
1, 625   1, 101   1, 101   1	CLASS 11I.—LOCAL. y sex in each period of life	{ F	31	6. 2	30	1 2 x	66	10	<del></del>	. 52	8247	10	17 19	10.1-	16	-10
1.130			7.	25	70	52	20	50	6.3	12	33	22	36	G.5	98	13
1.130			5		- 17		1-		T.	ĩ	<b>6</b> 9		488		39	
1.130	srcentage by sex in each period of life to total mortalit		. 130	5.55	101	323	8 7	988	966		. 454	. 400	448	11.8	. 377	.141
1. 625 1. 672 1. 649 1.	rcentage by color in each period of life to total mor	1	. 130	. 495	1.131	. 541	1.17	173	1.460	. 636	3	. 636	8.	. 283	.613	.306
1   2   2   4   5   5   6   6   6   6   6   6   6   6	recentage of local deaths in each period of life to mortality.	total ?	1.69	10	1. 67	22	1.6	5	<del>2.</del> 096	9.	1.460	9.	1.131		. 919	6
3 1 2 2 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	CLASS IV.—DEVELOPMENTAL. sex in each period of life	(M			31		31.21	m 9₹	6.5	***	9 12	ထင္မႈ	155	40	77	1-9
0.033 047 047 047 047 047 047 047 047 047 047 047 048 048 048 048	color in each period of life		m	-	G\$	25	77	is.	25	7	11	10	19	10	35	13
740. 740. 150. 740 150. 740 150. 740 170	otal developmental deaths in each period of life		77		77		6		1-		62		61		41	
. 070 . 034 . 047 . 047 . 0.94 . 118	rcentage by sex in each period of life to total mortalif	y { M	947		. 047	. 029	710		150.	160	= 1.	981.	. 983	. 141	.330	.165
	reentage by color in each period of life to total mor	tality	020.	. 024	. 047	110.	0.94	7.	110.	F60.	. 259	. 236	448	. 935	0.99	.306
Percentage of developmental deaths in each period of life $\langle$ , $\rho_{044}$ ,	ercentage of developmental deaths in each period to total mortality	of life {	9.	T	.0	=	₹.	22	7.	.165	. 495	22	. 653	9	996	99

Canse of death	So to S5	7 ,	S5 to 96 years.	\$ <sub>7</sub>	90 to 95	13.5	95 to 100 years.	001	Above 100 years.	9 %	(Co	Colors.	Total
THE PARTY OF THE P	W.	J.	W.	3	 	J.	W.	ن	W.	G.	W.	2	deaths.
CLASS III.—LOCAL. $\label{eq:class} B_{Y}sex \text{ in each period of life} \dots \\ \left\{ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6-5	e: –	G₹ <del>T</del>	71	-		-	-			4. E.	3.4.5 4.7.5	250
By color in each period of life	16	7	9	71	-			-		GS.	90%	2835	
Total local deaths in each period of life	08		Z		-		GR.		G₹		2.	1,688	1,688
Percentage by sex in each period of life to total mortality $\left\{ egin{aligned} M & \ldots \end{aligned}  ight.$	. 212	.071	.095 1991	250	Fao.		. 024	. 023		. 024	11. 328 8. 832	10, 551	21. 879 17. 876
Percentage by color in each period of life to total mortality .	.377	. 094	EI.	. 047	170		. 0.24	. 023		710.	20, 166	19, 595	
Percentage of local deaths in each period of life to total mor-}	. 471	_	<u>E</u>	70	. 024		. 047	2	740.	2	39.	39, 755	39, 755
C <sub>LASS</sub> IV.—DEVELOPMENTAL. By sex in each period of life	9 6	4.0	9	on		- 35	-	1 63		G & FD	1118	95	. 206
By color during each period of life.	15	13	27	න	21	8	-	8	1	52	666	202	
Total developmental deaths in each period of life	88		16		1.0		4		9		44	436	. 436
Percentage by sex in each period of life to total mortality $\left\{ egin{align*}{c} M \ldots \end{array} \right.$	. 149	. 994	.143	141.	.024	. 024	. 024	. 023	. 024	. 070	9.614 2.779	2. 238 2. 638	4, 859
Percentage by color in each period of life to total mortality .	. 354	. 306	. 283	918.	. 047	170.	. 024	. 070	160.	7111.	5, 393	4.876	
Percentage of developmental deaths in each period of life to total mortality	9.	099	. 495	55	.118	200	. 094	14	.141	_	10.	10. 269	10, 269

mued.	DEATHS BY CLASSES—PERCENTAGES.
Conti	13.7
11—(	32
o. VII	DEATHS
EN	10
TABLE	TAL
-	_'TO
	TION-
	ULA
	PIT
	RECAPITULATION—TOTAL

NATIVITY.			NATH	NATIVITY.								;	3	
Cause of death.	Distric	District of Co. lumbia.		Other parts of the U.S.	For	Foreign.	Under 1	month	Under I month   I to I months.	nonths.	T T T T T T T T T T T T T T T T T T T	months.	ж 10 10	s to La
	W.	2	W.		W.	ಶ	W.	c.	W.	0.	W.	· 0	W.	· .
Chass V.—VIOLENCE. $\{M,\}$ By sex in each period of life	15	∞ <u>Ş</u>	16	11 12	(→ →	1	7₹9	es 33	1		c)	m	-	
By color in each period of life	33	31	100	200	00	-	1 20	=	-		\$₹.	2	~	
Total violent deaths in each period of life	ia.	99	r.c.	53	3.	6.	83		-		.,	13		
Percentage by sex in each period of life $\left\{\begin{array}{l} M\\ F\end{array}\right.$	.353	7 <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u> <u>7</u>		.354	. 165	F@0 .		. 283	.094		. 047	120.	. 023	
Percentage by color in each period of life to total mortality	. 589	. 730	194	151.	1.	. 034	2.	. 330	. 034		. 047	. 071	.023	
Percentage of violent deaths in each period of life to total { mortality	1.	1.319	1.	1. 248	916	2	. 518	20	. 024	3	-	<u>x</u>	0.	. 023
By sex in each period of His	563	649	8 3	3.0	<u> </u>	20	195	115	59 53	爱龙	28	5.6	13.8	묏구
By color in each period of life	1,144	1, 204	6.35	196	371	20	193	998	140	174	151	玉	114	156
Total deaths in each period of life	2, 438	20	1,	1, 434	374	-	459		314	-	8	335	970	0
Percentage by sex in each period of life to total mortality $\begin{cases} M & \end{cases}$	13, 684	15, 985	7, 490	9, 161	5.605	120.	5, 496 2, 049	3, 415	1.531	2. 025		1, 931 2, 497 1, 625 1, 837	L. 295 L. 931 L. 390 L. 743	1.931
Percentage by color in each period of life to total mortality.	26.944	30, 475	15, 026	X.   X.   C.   C.	25.	. 071	4.545	6, 265	3, 297	4.698	3, 556	3, 556 4, 334	2. 685	3.674
Percentage of deaths in each period of life to total mortality	57, 419	611	ä	33. 773	20 2.	80	10, 810	015	1-	7, 395	7. 300	06	6.359	66

TABLE No. VIII—Continued.	RECAPITULATION—TOTAL DEATHS BY CLASSES—PERCENTAGES.

Charac of docth	Total'under 1	nder 1	I to 2	? €	2 to 3 years.	e	3 to 4	<b>→</b> gt	to 5 years.	10 4	Total under 5 years.	nder 5	5 to 10	<u>e</u> <u>;</u>
Callise of treath.	W.	ಲೆ	₩.	-: :	W.	.c.	W.	5	W.		W.	c.	W.	Ü
CLASS V.—VIOLENCE.  (M. By sex in each period of life	101-	es 751	-	-	G\$	G≀ —		-	- :	-	∞ ≎.	4.5	≎१ :	ia l
By color in each period of life	22	17	-	-	m	n		-	-	-	1.5	£	35	13
Total violent deaths in each period of life	81		CS\$		9		1		G\$		04		7	
Percentage by sex in each period of life $\left\{ \begin{array}{ll} M\\ F \end{array} \right.$	11.	. 047	. 034	. 023	. 023	.047		. 634	. 024	.653	. 212	. 418	. 047	. 118
Percentage by color in each period of life to total mortality	. 283	. 400	150.	. 023	020.	170.		F20 .	.034	. 023	. 400	.543	\$ 047	.118
Percentage of violent deaths in each period of life to total mortality	. 683	88	. 047	12	. 041	_	+20°	75	. 047		616°	<u>03</u>	. 165	22
$\begin{tabular}{ll} RECAPITULATION. \\ By sex in each period of life. \\ \hline \\ F \ldots \\ \hline \\ F \ldots \\ \hline \\ F \ldots$	308	419	æ æ	117	31	6.4	14	20.0	===	13.6	455 435	607 573	8.83	33
By color in each period of life	298	180	174	543	588	<del>16</del>	30	44	25	19	70 20	1, 180	69	69
Total deaths in each period of life	1,378	20	417	7	152	63	74		43		C.E.	2,061	138	m l
Percentage by sex in each period of life to total mortality $\left\{ egin{matrix} M \end{array}  ight.$	7, 254 6, 830	9. 868 8. 502	2. 073 2. 025	2, 755 2, 968	. 636	1, 060	.330	.565	306	. 141	10, 645 10, 174	14. 296 13. 495	. 754	₹ <del>1</del>
Percentage by color in each period of life to total mortality	14.084	18, 370	4.098	5.723	1.366	9. 914	707.	1.036	.565	. 447	20, 819	27, 791	1. 625	1.695
Percentage of deaths in each period of life to total mortality.		32, 454	9.821	21	3,580	90	1.743	43	1,012	G.	æ.	48.610	3, 250	20

TABLE No. VII-Co timud. RECAPITULATION—TOTAL DEATHS BY CLASSES—PERCENTAGES.	ION—TO	TABLE FAL	TABLE No. VII—Co. finued. )TAL DEATHS BY CLA	I_Corti	mud. CLASS	ES-P	ERCEN	TAGE	·i					-
Cause of death.	10 to 15 years.	10 zi	15 to 20 years.	0 ×	20 to 25	10°	25 to 30 years.	9 ::	39 to 35	100	35 to 10 years.	9	10 to 15 years.	2 %
	W.	່ວ່	11.	5	W.	ರ	II.	ಲೆ	W.	ಲೆ	W.	j.	W.	ಲ
CLASS V.—VIOLENCE. By sex in each period of life	10 ↔	m =	21	m	10-	7	GS :	25 05	7-	च्च १८	-	-	25 05	
By color in each period of life	9	<b>{→</b>	₹?	~	0:	7	25	10	10	0	-	1	77	35
Total violent deaths in each period of life	2		10		10		7		Ξ		35		9	
Percentage by sex in each period of life to total mortality $\left\{\begin{array}{ll} M \end{array}\right\}$		100.		. 051	- <u>4</u> 2	160.	740.	.051	2.2	169.	120	180	710.	.024
Porcentage by color in each period of life to total mortality	H.	. 165	.017	. 071	7	100	. 047	.11%	7.	515.	150.	. 023	. 094	. 045
Percentage of violent deaths in each period of life to total \( \) mortality	.306		<u>.</u>	7.	77.	1 2	. 165	19	.330		.047	1-	= :	
$\label{eq:Bysex} \text{By sex in each period of life}.$ By sex in each period of life	e 7	22	5 3	873	ā #	-13	200	<u>-</u> <del>x</del>	4.5	9 %	63	€ \$	20 68	21 31
By color in each period of life	7	36	175	12	7-	10.	16	2	11.	17	111	2	2	9
Total deaths in each period of life	<b>?</b>		137		173		<u>7.</u>	~	191		191		55	
Percentage by sex in each period of life to tetal mertality $\{ \stackrel{\cdot}{N} \dots$	S-150 1965	100	83	. 653	7.13	1,013	1.178	1. 1.50	1, 601	9. 5. 3. 5.	1.319	15.67	1.174	.516
Percentage by color in each period of life to total mortality	1.013	20	1. 27.2	1.951	1.652	25	77	2.036	2. 755	1, 743	9, 655	- 85	2.096 1.154	154
Percentage of deaths in each period of life to total mortality	1 2	1, 561 -	3, 226	99	1. 216	12	1.310	01	4, 498	r	1.569	92	3, 250	0

RECAPITULATION—TOTAL DEATHS BY CLASSES—PERCENTAGES	ON-TC	TAL	OTAL DEVIUS BY CLA	S BY	TLASS	EST	RCEN	TAGES	.,					
Cause of death.	45 to 59 years.	0 /	50 to 55	io io	55 to 60	99 %	60 to 65	15 %	65 to 70 years.	15.	70 to 7.5 years.	18.	75 to S0 years.	, i
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By sex in each period of Hife	-		91			21	m		- 21	_				
By color in each period of life.	-	-	25			21	20	-	23	-				1
Total violent deaths in each period of life	Gt		G₹		G₹		77							
Percentage by sex in each period of life to total mortality $\left\{ \substack{M \ldots \\ k \ldots} \right\}$	120.	. 0.33	. 047			. 047	000.	150.	. 043	F60.				
Percentage by color in each period of life to total mortality	1004	. 023	. 047			. 047	070.	1034	070.	. 024			1	1:
Percentage of violent deaths in each period of life to total amortality	710.	71	.047	2	. 047	1.5	. 094	7	0.	. 694				
$\label{eq:BCAPTULATION.} By sex in each period of life$	3.5	31 93	35	F. C.	25 =	83	8 8	81 81	¥ %	8.8	37	5 17	25.55	15
By color in each period of life	G.	44	91	41	93	45	83	455	69	49	73	30	19	530
Tetal deaths in each period of life	11	132	133	33	138	90	125	10	-	118	10	103	6	06
Percentage by sex in each period of life to total mortality $\left\{ egin{array}{c} M \ldots \end{array} \right.$	1. 272	518	1.319	.565	1. 225	5.55	1.248	.518	. 895	. 542	.848	. 306	. 660	.353
Percentage by color in each period of life to total mortality	2, 073	1.036	2, 143	996.	2, 190	1.060	1,955	. 989	1.625	1.154	1,719	701.	1.437	. 683
Percentage of deaths in each period of life to total mort .lity.		3, 109	3.109	60	6,	3. 250	2, 944	4.1	c;	2.779	GÌ.	2. 426	cŧ	2, 120
			The second second second second			M seems - see	A PART OF THE PARTY NAMED IN	-						ı

Cause of death.													
	yea y	So to S5	S5 to	S5 to 90 years.	90 to 95 years.	rs.	95 to 10 years.	95 to 100 years.	Abov	Above 100 years.	Col	Colors.	sdtrob
	W.	c c	W.	C.	W.	C.	W.	· .	W.	ت ت	W.	ပ	Total
CLASS V.—VIOLENCE. By sex in each period of life											16 %	988	3.5
By color in each period of life											54	19	
Total violent deaths in each period of life											1	11.2	= 0
Percentage by sex in each period of life to total mortality $\left\{egin{array}{c} W & \cdots & \vdots \\ F & \cdots & \cdots \end{array}\right.$											598.	5.65	1.507
Percentage by color in each period of life to total mortality											1. 272	1.507	
Percentage of violent deaths in each period of life to total ? nortality			}								Gi	9, 779	9. 779
$\label{eq:BCAPTULATION.} By sex in each period of life$	20	∞ =	x 31	910	- 05	- 35	25	9₹ 10	-	ं छ च	1, 137 1, 016	1,041	et et 7- 36 8- 36
By color in each period of life	*	19	02	= .	8	20	25	2	-	1-	2, 153	2, 093	
Total deaths in each period of life	53	-	31		9		₹=			000	TÎ	946	4, 246
Percentage by sex in each period of life to total mortality $\frac{\xi}{\xi}M$ .	.330	1. 2.00	# 55 # 55 # 55 # 55	=======================================	. 047	. 0.54 740	. 047	. 047	.024	.094	26. 178 23. 989	24, 517	51, 295 48, 705
Percentage by color in each period of life to total mortality	108.	14.	.421	. 259	0.00	170.	140.	.118	.034	. 165	50, 707	49, 293	
Percentage of deaths in each period of life to total mortality.	1. 248	<u>x</u>	1.	. 730	141	-	. 165	13		189	Ä	140	100

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	W.	-	C.	W.	-	2	-	W.	2	-	W.		 	W.	-	ن :		W.		0
	M.	F. M	M. F.	M.	4	M. F.	M.	[IL	М	F. W	M. F.	. M.	H	M.	E.	M.	F. M	14	M.	-
CLASS I.—ZYMOTIC.  Cholers infantum Cholers morbus Corul Cholers morbus Corul Cholers morbus Corul Cholers morbus Corul Cholers morbus Choler	H   05 55   H   10   10   10   10   10	0 - 1 - 1 0 0 4 0	4	**************************************	4 - 1   1   - 2   - 2   1   1   - 1		1 6 6 1	30 03			- 1000 10 1 1 100 10 1 100 100 100 100 1	- 014 401 01 1-1- 01 T-		α	4-4     03   1-1     03   1-1     1-1	ot	01	i - 4 i - i - i - cs   i - i - i -	21	
Total misasmatic diseases.	16	20 1:	13 14	17	12	11 3	00	=	00	4	41 43	35	12	5	16	9	9 10	10	5	
Order 2.—Enthetic or inoculated. Syphilis (congenital)		- 1	.5:		: :	ं ं	- ! !		-			7.0	- :		;-	::			-	- 11
Total enthetic or inoculated diseases		) i	2 1	İ		63		1	-	:		7.3	1		-	-			-	

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Conserve Asseth		March.	-	H	Total second quarter.	secon ter.	7	4	April.			May.	. ·		L.	June.		Tota	Total third quar-	անթ.	ar.
TRANSPORT OF STREET	W.		C.		W.			1 > 1		1 -5 1-		W.	-5 -	-	¥.		1 -5 1-	1		· -	
	M.	F. M.	*	. M.	표	M.	F.	M.	F. M.	F.	M.	4	M.	F	M. F.	, K	E.	M.	E	×	F.
Cholera infantum Order 1.—Miasmatic. Cholera infantum Cholera morbus Cholera morbus Diarrhea Diptherd	3		33   33   1   24   1   25   27   27   27   27   27   27   27	0 0 1 8 -010 H	[α: : ε : : : : : : : : : : : : : :	::0::=:::::::::::::::::::::::::::::::::		::::::::::::::::::::::::::::::::::::::	111111111111111111111111	11 11-11 11 11 11 11 11 11 11 11	or     -   or     or	-   -   -   -   -   -   -   -   -		-: -: -: -: -: -: -: -: -: -: -: -: -: -	#34 100 in in in in in in in in in in in in in	2 · · · · · · · · · · · · · · · · · · ·	S : 3 48-1     8	фи   юм-м     м       юм         —   w	- 11. 1 93 1 1 89 7 7 7 8	2 a 5 ka 1 a 1 a 1 a 1 a 1 ka 1 ka 1 ka 1	8 : : : : : : : : : : : : : : : : : : :
Total miasmatic diseases.	x	9 9	7	8	8	47	16	5 3	!	5	=	6	ro /	3 6	60 48	45	43	in the	09	55	51
Order 2.—Enthetic or inoculated. Syphilis. Syphilis, (congenital)	1	G1-	-	-:	-	G\$ 55	-		:		:	::	G\$ :	::			G5 −	1 ::	1 :.	34 ;	1 000
Total enthetic or inconlated		1		1			1	1			1	1	1	1	1		1	Î	1	1	I

MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND COLOR. TABLE No. VIII-Continued.

From the control of t		July. August. Se	W. C. W. C.	M. F. M. F. M. F. M. F. M.	CLASS I.—ZYMOTIC.  Order I.—Miaematic.  Order I.—Miaematic.  1	Total miasmatic diseases.	Syphilis Syphilis (congenital).	Total entiletic or inoculated
Total fourth quarter.  W. C. W. C. W. C.  M. F. M. F. M. F. M. P. M. B.  15 13 33 22 23 69  15 19 8 1 12 19  16 5 1 9 1 1 1 1 1 1  2 2 1 1 1 1 1 1  2 2 1 1 1 1	1876.	September.	W. C.	F. M.	φ 314-ω05	g	- :	:
M. P. M. P. C. C. M. P. M. P. M. P. M. P. M. P. M. P. M. P. M. P. M. P. M. P. P. P. P. P. P. P. P. P. P. P. P. P.		Total f	W.	W.	ಕೆ ಆಗ್ರಹಣದ (ಬಹದಬರ) ಒ ಆ : : : : : :	110		
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The year.  M.		Total for	W.				1 1	
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Commence Annels	0	October.		Z	November.	ber.		Dece	December.		Fotal	Total first quar-	quar		Jan	January.		-4	February.	ary.
Cause of acani.	W.	-	c.	W.	-	Ü		W.	c.		W.	-	5		W.		c.	W.		5
	M.	F. M.	=	M.	F.	M. F.		М. F.	M.	F.	M.	F. N	M. F	F. M.	표	M.	표.	M.	E.	M.
Class 1.—ZYMOTIC. Order 3.—Dietic.		-																		
Alcoholism   Intemperance Inanition   Delirium tremens Durpura hemorrhagica	- 1		1 - 1	1111			GF .	::-:		CS	. cs ←	: - :	: : - :	- : : :					: : :-	63
Total dictic diseases	-		-	1:	:	:	?₹	-	j :	01	1 2	-	-	1 2	-		-	-	-	61
Aphthæ Worms		- :	G5 :	::	-:	- :	91	::	m -			-:	10-					::	1 ::	
Total parasitic diseases		-	C.S	1	-	-	21	1	7		1 :	-	9	-	-	Li	1:	:	1:	:
Total zymotic class	17	50 16	20	17	13	15 6	5 10	22	13	÷	7	4	44		2 9	£	1-0	12	=	
CLASS II.—CONSTITUTIONAL. Order I.—Diathetic.																				
Anemia Anamon Anamon Anamon Anamon Caneer, acide Caneer, iteedines Caneer, iteedines Caneer, iteedines Caneer, iteedines Caneer, iteedines Caneer, wary		::::::::::::::::::::::::::::::::::::		<u> </u>		::::::::::::::::::::::::::::::::::::		12 11 11 11 11 1	:-:::::	: : : : : : : : : : : : : : : : : :	in	:01 : - : : : : : : : :	01 m					::::=::::::::::::::::::::::::::::::::::		

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	MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND OBDERS, BY SEX AND COLU
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Cause of death.  CLASS I.—ZYMOTIC.  Order 3.—Dietic.  Alcobolism { Intemperance tremensers.}																	
CLASS I.—ZYMOTIC. Order 3.—Dietic. Alcobolism { Intemperance	Ma	March.	Total	Fotal second quarter.		A pril.	-:		N.	May.		.,	June.		1	Total third	thir ter.
$CLASS\ IZYMOTIC.$ $Order\ 3Dietic.$ Alcoholism $\Big\{ \begin{array}{ll} \text{Intemperate} \\ \text{Delirium tremens} \end{array} \Big\}$	W.		W.	Ö.	W.	-	5		W.	0		W.	-	5	W.		0.
CLASS I.—ZYMOTIC.  Order 3.—Dietic.  Alcoholism { Intemperance Transpe	M. F.	M. 'F.	M. F.	. M. F.	M.	F.	M. F.	. M.	표	M.	표	M. I	F. M.	E.	M.	골	M.
Alcoholism   Intemperance			Augustion +														
Inanition Purpura hæmorrhagica	©\$		- 60	24	::::	1:::	61	: - :	i i- :	:::.	; ; 67 ;	1 9	64	e :	- :-	6	10
Total dietic diseases	31	-	-	60		1		1:	1:		1:	1:	:	:			1:
Order 4.—Parasitic. Aphthæ Worms					-:	-			::	-:	::	िदर	23 :		m :	65	m :
Total parasitic diseases					1:	İ	H		1:	1:	1:	1:	1:	1:			1:
Total zymotic class	11 6	6 6	34 35	5 24 24	9	4	1-	9 14	2	00	9	69	51 50	64	15.	65	65
CLASS II.—CONSTITUTIONAL. Order 1.—Diathetic.							!!		-				01	11 .	11	_ ~	
Anasarca Cancer avilla				-	:	-	-		1	-	: :	: :	•	લ્ય	: :	-	က
Cancer, bladder Cancer, breast.			-			: 63	-		: :-	. : :	: : :	: :	: : :			-	: :
Cancer, face			- :	::	જ ;	- :		11	- :	11	; ;	::	11		GE :	C? :	11
Cancer, leg			::		1	: :-	: :	<u>: :</u>	- :		; ;				::	-	::
Cancer, omentum					: :		· ; ;	<u>:</u>	: :	: :	: :	·   :		:-			-
Cancer, ovary Cancer, rectum			:			- :	: :	: :	:-	: :	; ;		: :		: :		: :
Cancer, spleen	:	:	:			:	:	1	:	:		:	:			:	

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Owners of Breek		Ju	July.		A	August.	4	30	epter	September.		Cotal	fourt ter.	Total fourth quar-		Potal 1	Total for the year.	year.	adte
Cause of death.		W.	C.		M.		C.	=	W.	C.	1	W.		c.		W.		ç.	ab la
	M.	э;	M.	E.	M. H	F. M.	F.	M.	표	M.	E.	M. F.	M.	F.	M.	<b>H</b>	M.	E.	IOT.
CLASS I.—ZYMOTIC. Order 3.—Dietic. Alcobolism { Intemperance Intention   Delirium tremens		GR		1 17			9	91	-   60 01			- 100 31	1 98	2:10	11:2:	ස ස ස	1 7 2 5	2, 22	: :m :
Total dietic diseases.		İ	1:	1:	1			1								1 98	15	15 23	3 79
Order 4.—Parasitic. Aphthæ Worms	-							- :		Q4 :		21		GS :		10	co ;	0 1	8;-
Total parasitic diseases		1:							Ī	1					-	15	20	11	12
Total zymotic class	20	35	92	6	=	43 45	35	3€	8	100	35 15	123 128	125	5 119		500 5	273 2	258 236	1, 057
CLASS II.—CONSTITUTIONAL Ansarria Ansarria Ansarria Cancer, saila Cancer, bladder Cancer, fine Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter Cancer, letter				0₹			28 1-1								3, 1 2 2	2	20 00 00 121-4-	3 2 3 3 3 3	984498444444

MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND COLOR. TABLE No. VIII-Continued.

C. November   December   Total first quarter   F. M.	C. November   December   Total first quarter   F. M.	1   1   1   1   1   1   1   1   1   1	1   1   1   1   1   1   1   1   1   1	Cansa of death		M.	CLASS II.—CONSTITUTIONAL. Cancer, stomach Cancer, thigh. Cancer, treius Cancer, vagina Cancer, vagina Marasmus Marasmus	Total diathetic diseases	Abcess, lumbar. Order 2.—Tubercular. Gaugrene, (struma) Hydrocephalus Hydrocephalus Scrofula Tabes mesenterica. Tabes mesenterica. Tubercular brouchitis Tubercular meringitis Tubercular meringitis Tubercular meringitis Tubercular meringitis Tubercular meringitis Tubercular meringitis Tubercular meringitis Tubercular meringitis Tubercular meringitis	Total tubercular diseases	Total constitutional class	CLASS III.—LOCAL.  Abscess of brain. Apoplexy, cerebral (insolation)
November, December, Total first quarter, C. W. C	November, December, Total first quarter, C. W. C	November. December. Total first quartary.  W. C. W. C. W. C. W. C. W. C. W. C.  F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M.  1 1 1 2 2 3 3 4 4 10 14 9 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	November. December. Totalfirst quar- January.  W. C. W	Octo	W.		1171171	8				11
November, December, Total first quarter, C. W. C	November, December, Total first quarter, C. W. C	November. December. Total first quartary.  W. C. W. C. W. C. W. C. W. C. W. C.  F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M.  1 1 1 2 2 3 3 4 4 10 14 9 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	November. December. Totalfirst quar- January.  W. C. W	ober.		M.	:::::::::::::::::::::::::::::::::::::::	9			35	
November. December. Total first quarter.  W. C. W. C. W. C. W. C. W. C. W. C. I.  B. M. F. M. F. M. F. M. F. M. F. M. F. M. II.  3 2 3 3 4 4 10 14 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	November. December. Total first quarter.  W. C. W. C. W. C. W. C. W. C. W. C. I.  B. M. F. M. F. M. F. M. F. M. F. M. F. M. II.  3 2 3 3 4 4 10 14 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	November. December. Total first quarter.  W. C.	November. December. Total first quar.    C. W. C			~		-	61 62 1	27	88	
Perember. Total first quarter.  C. W. C. W. C. W. C. W. C. M. F. M	Perember. Total first quarter.  C. W. C. W. C. W. C. W. C. M. F. M	Perember. December. Total first quartary.  C. W.	Percember. Total first quar-  C. W. C. W. C. W. C. W. C.  M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M.  1	Z	M	M.		-	-2	91	17	::0
December. Total first quarter.  W. C. W. C. W. C. W. C. I. I. I. I. I. I. I. I. I. I. I. I. I.	December. Total first quarter.  W. C. W. C. W. C. W. C. I. I. I. I. I. I. I. I. I. I. I. I. I.	December, Total first quarter.  W. C. W. C. W. C. W.  E. M. F. M. F. M. F. M. F. M. F. M.  3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	December. Total first quar.  W. C. W. C. W. C. W. C.  W. T. M. F.	ovembe	-		11111	77	1 11 1 111111	16	!!	11
December.         Total first quarter.           W. C. W	December.         Total first quarter.           W. C. W	December.         Total first quarter.         January.           W. C. W. C. W. C. W. C. W. C.         W. C. W. C. W. C.         W. C. W. C. W. C. W. C.           M. F. M	Dreember.         Total first quare.         January.           W. C. W	ber.	5		1111111	-			0	
F. M. F. M. F. M. F. M. I. I. I. I. I. I. I. I. I. I. I. I. I.	F. M. F. M. F. M. F. M. I. I. I. I. I. I. I. I. I. I. I. I. I.	F. M. F. M. F. M. F. M. F. M. F. M. C. C. W. C.	F. M. F. M.				111111					- 4
Total first quarter.  W. C. W. E. M. F. M. F. M. J. J. J. J. J. J. J. J. J. J. J. J. J.	Total first quarter.  W. C. W. E. M. F. M. F. M. J. J. J. J. J. J. J. J. J. J. J. J. J.	Total first quarter.  W. C. W. C. W. C.  I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total first quary.  W. C. W. C. W.  C. W. C. W.  The state of the stat	Dece	W.			!				4
Total first quarter.  W. C. W. E. M. F. M. F. M. J. J. J. J. J. J. J. J. J. J. J. J. J.	Total first quarter.  W. C. W. E. M. F. M. F. M. J. J. J. J. J. J. J. J. J. J. J. J. J.	Total first quarter.  W. C. W. C. W. C.  I 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total first quary.  W. C. W. C. W.  C. W. C. W.  The state of the stat	mber	0	M.	:::::=:	m	1 2 2 1 1 1 1	13	16	
al first quarter.  (C. C. C. C. C. C. C. C. C. C. C. C. C. C	al first quarter.  (C. C. C. C. C. C. C. C. C. C. C. C. C. C	al first quar- ter.  C. W. C. W. C. W. F. M. F.	al first quar- lifer.  C. C. W. C. W. C. W. C. W. C. M. F. M			-		17	5 13 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	91		
		M. W. W. W. W. W. W. W. W. W. W. W. W. W.	M. W. C. C. C. C. C. C. C. C. C. C. C. C. C.	Total	W.			-				11
		M. W. W. W. W. W. W. W. W. W. W. W. W. W.	M. W. C. C. C. C. C. C. C. C. C. C. C. C. C.	first ter.			4 : : :	-				11 : :
1::    3    8    ::   - : : :   - 7    :: : :	1::    3    8    ::   - : : :   - 7    :: : :	M. W. M. M. M. M. M. M. M. M. M. M. M. M. M.	M. W. C. W. C. C. W. M. C. C. W. M. C. C. W. M. C. C. W. M. C. C. W. M. C. C. W. M. C. C. W. M. C. C. W. M. C. C. W. M. C. C. C. W. M. C. W. M. M. C. W. M. M. C. W. M. M. C. W. M. M. M. M. M. M. M. M. M. M. M. M. M.	quar-	ن		1:7:177	!	1 1 1 1 1 1 1		11	
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											1876.	.9									
Canse of death.		March.	ch.		Tota	Total second quarter.	sond r.		Ap	April.			May.	,.	-	J.	June.		F	Total third quarter.	thire ter.
Canal II Canal		W.	Ü		W.	-	5		W.	5		W.	-	Ö		W.	_	c)		W.	C.
	M.	3	M.	F.	M. F	F. M.	표	M.	7	M.	표	M.	F.	M. F	E.	M. F.	M.	7	M.	E	M.
CLASS II.—CONSTITUTIONAL. Order I.—Diathetic.		:	:	:			-						:	:	,	G)			G\$	-	
Cancer, thigh Cancer, uterus Cancer, vagina				-	- 1	2	35		: : :	: : :		: ; ;	-	1 1 1	1 : :	: :-		-			
Cancerous cachexia Marasmus Rheumatism				:	:	- : :	7	- :	- :	; ;			: : :	1::	: -	1 35 -		:	23	3 .	- :
Total diathetic diseases	1	1	1	1 8	2 11	31	6.	1	1-	35	25	1	10	-	1-	6.	?₹	9	x	16	10
Order 2.—Tubercular.			-		-	-	-						1		li I		L				
A Boeces, lumbar. Gaugrene, (struma) Hydrocephalus Hydrisi pulmonalis Perofilisi pulmonalis	173	:::=	:   N = -			; "#"	: - = 3	1   12	- : :6-	:::9	(2)	00	: : : : : : : : : : : : : : : : : : : :	: : : # : : : : : : : : : : : : : : : :	1 1 2	1.00	: - 2	::01=	:: " #	- :-8-	37
Tabos mesenterica Tribercular bonchitis Pribarcular anterifis		:	<b>+</b> -	m -		G. St.	51 m	::	::	- :	: :	- : :	: : :	m			3₹	e :	G1 :	1	9 -
Tubercular laryngitis Tubercular meningitis Tubercular meningitis Tubercular peritonitis		- :	-		GR .	25	<b>−</b> 0₹	- : :		m -			G1				-		: - : :	e .	4-
Total tubercular diseases	125	15	15	12	71 45	4	63	1 20	=	123	20	9	16 1	13 16	16 23	=	16	16	50	330	20
Total constitutional class.	25	15	15	18	76 56	50	12.	25	r.	25	98	5	1 18	14 17	1283	02	200	35	200	59	55
CLASS III.—LOCAL. Order 1.—Nervous.			1		1				1				1		11		-				Ï
Abscess of brain Apoplexy, cerebral	7	6	. 60	-		01 10			: 1								:	:	-10		:

MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND COLOR. TABLE No. VIII-Continued.

	-		1					1		1876.									-
Canse of death.		July.	.:		Aug	August.		Sep	September.	er.	Ţ	otal	fourth ter.	Total fourth quar-		Total for the year.	r the y	ear.	ths.
111111111111111111111111111111111111111	W.		5		W.	5		11.		5		11.		c.		W.		5	səp Iz
	M.	표.	M. F	E. M.	표.	M.	도.	M. 1	F. M	M. F.	M.	7	M.	F	M.	표	M.	표.	310T
CLASS II.—CONSTITUTIONAL. Order I.—Diathetic. Cancer, titigh. Cancer, tuterus Cancer, uterus Cancerous cachexia Marasunus.	-	64 10				1	; c:  -	-	- : : : : : : :	: : : : : : : : : : : : : : : : : : :	63	- 6 5	9 7	, , , , , , , ,	4-11:04	8 6 1 8 6	2	1 7 7 1 19	9 16 16 16 16 16
Total diathetic diseases	, m	16	5	1	- 6	35	9	4	1 8	m	100	25	10	90	52	63	31	47	166
Abscess, Inmbar. Gangrene, (struma) Gangrene, (struma) Hutistoephalus Skrotula Plubas mesenterica Tuberoular brouchtis Tuberoular brouchtis Tuberoular neuringitis Tuberoular peritonitis Tuberoular peritonitis Tuberoular peritonitis Tuberoular peritonitis Tuberoular peritonitis Tuberoulasis	100	122	12 9 11	0 1 1 1	612-44		4 4			1 10 60 11 11 11 11 11 11 11 11 11 11 11 11 11	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	: :4.82 us : : :4. : :	_ &8-1- &		6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 9 H 8 H	1 20 38 20 1 20 1 20 20 1	100000000000000000000000000000000000000	8-14000000000000000000000000000000000000
Total tubercular diseases	13	17	23	24 8	14	101	83	1 2 2	14	17 13	83	45	20	09	192	171	183	235	781
Total constitutional class	19	98	88	31 9	83	15	68	16	17 2	20 20	14	99	09	8	217	234	214	288 288	947
Class III.—LUCALI.  Order I.—Nervous. A bacess of brain. Apoplexy, cerebral. Apoplexy, cerebral, (insolation).	. 1-01	- C -		9	:::	:	· m		63	-	1 2 2 2	12-4	3	10	m gg 68	34	12 :	98	411

					1	1875.										1876.			
Canan of donth	Oct	October.		November.	ber.	_	December.	ber.	T	Total first quar- ter.	first q ter.	nar-		January.	ary.		Fe	February.	ry.
Cause of feath.	*	C.	-	W.	c.	-	W.	c.	-	₩.		c.	=	W.	C.	1	W.	-	ರ
	M. F.	M.	F. M. F.		M. F.	M.	표	М. 1	F. M.	표.	M.	7	M.	4	M.	표	М.	F.	M. F.
CLASS III.—LOCAL, Order 1.—Nerrous.																			
		:::	1 :		1 1	: :		1 1	: :	- : : :	-::	::	::		11			- : :	
Congestion of Oram Congestion of Drain (insolation) Convulsions, (infantile)	- : ca	n : 6	2		1 : 9	28	-  -	: 6	3 . 1	7 1	ें हैं	= =	i i-	2 -	- 5	-   G2	- in	111	9
Couply the Sorent Couply the Sorent Couply (Curonic) Dementia, (curonic)					:			: : : : : :			-		:::					: : :	111
Delinentia, (scilite)		-	-		1 1 1	1 :	1 : :				-		:-	G\$ -		-		: : :	
Effarmation of brain Effarmation of brain, (insolation)							; ;			- :	1	<b>-</b> :						: :	
Laryngismus stridulus Locomotor ataxia			1:			: :	::	::	1	11		- :	::		::	1 1		::	::
Mania, acute, (exhaustion from)	m	-	::		::	: 0₹	1 1	; -	-	: 62	. ≎₹	:-	: ⋴≀	-	11	:	-	11	-
Hydrius Paranlegia			: : :	-			-			?₹		: :-				: : :	-		-
Port's disease of spine. Softening of brain		-	€₹		- :	; 0≥		- 1		-	:-	- :	: :				-	:::	:-
Softening of spinal (ord Tetanus, (idiopathic) Fefanus, (traumatic)						:::	: ; :	: : :		- ; ;	1 1	1 :	11:			Ť		: : .	:::
Trismus nascentium Tumor of brain		9	-:	::	: :	::	::	o₁ ;	e :	:	6.	5	31		C1 :	- :		_ :	CS :
Total nervous diseases	7 10	25	6	9 1	14 10	=	w	<u>x</u>	12 6	4.2	18	27	1-	6	=	70	6	9	12 13
Aneurism of aorta								_						-				_	

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LE No. VIII-(	COLUMBIA,
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1	DISTRICT OF COLUMBI
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	MORTALITY O
	MONTHLY

Cause of death.  CLASS III.—LOCAL.  Order 1.—Nerrous.	Ma.	March.	-	Tot																
CLASS III.—LOCAL.				5	quarter.	Total second quarter.		4	April.			May.	· .			June.		T	Total third	thir ter.
CLASS III.—LOCAL. Order 1.—Nervous.		၁		W.		<u>ن</u>		 II.		:	W.				.X		2	=	W.	Ü
	F.	M.	54	M. 1	F. N	M. F	F. M.	E	M.	표	M.	표	M	F.	M. F.	. M.	7.	M.	E.	M.
( i.																				
Opposty, (serous) Trophy, (spinal) mostion of brein																	-			
hyaethan at brain	::	::0						: :		:-				: :		: :			: :	
Congestion of brain (insolation)	3 :	2	1	:				_ :-	: : :	1	: .:		: '		-			- :	Ť .:	28
Convuisions, (intantile)	٠ :	1	7	, 0	-	2 :	3 :	1 :	? :	- :	5	*	4 :	:			-	= :	=	2
Coxalgia Dementia, (chronic)		: :	: :		:	-		1	: :	: :	: :	G.	: :	: :	1 1	: :			: 01	
Dementia, (senile)	:	:0	: "		:			-	:	:	: : -	:	:		:	:			: :	
Epuepsy. Hemiolegia	: :	7	-	-	~ ~			_	: :	: :	- :	: :	: :	-	: :	: :			2	
nflammation of brain.	;	:	:	:	:	1	:	-	1		:	:	_	3	:	:	:		:	-
nnammation of brain, (insolation)	: :	: :	: :			: :	: :	: :	: :		: :	: :	: :		: :					
Locomotor ataxia	1	:	-	:	:	:	:	:	: *	:	:	:	:	:	:	:		-	i	
Mania, acute, (exhaustion from)  Meningitis	: "	:-	:-	6	:10	-	-	1		: :	37	:03	. Cs	. C.	:-	: 4	:-	. 6	.5	- 1-
Myelitis	:	-	:	:	:	1	:	:	:	1	:	:	:	1	:	:		:	i	-
Paranlegia	:	: :	-	-	: :	: :	: -		: :		:-	: :	: -	:	: :	: :	-	: 6	: :	-
Pott's disease of spine.		-	:	:			:		:	:	:	:	-		:	-		:		
Softening of brain	_	-	:	-	-	_			-	:	31	:	-		: :	:	:	· ·	:	25
Tetanus, (idiopathic)	:			:	:		:			:		:		:		:				
Tetanus, (traumatic)	: :	- 9	CS	. Cs	:-	ر در د	2		. CS	:31	. :	:-	- 23	. 73	; ;	. 4	4	: :		6
Tumor of brain1	1	:	:	-	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Total nervous diseases	13	19	10	83	82	42	31 12	100	6	9	01	12	2	16	2 2	77	17	98	36	4
Aneurism of aorta Order 2.—Circulatory.			:	-	:					1	-	:	-		:	:		-		-

								1876.									
the desired	ıſſ	July.		August.	ب	ž	September.	er.	Tota	al for	Total fourth quar-	lar-	Tota	Total for the year.	ne yea	.:	sths.
Cause of ucach.	W.	C.	W.	-	ت :	W.	-	C.	W.	-	5		W.	-	5		al de
	M. F.	M.	F. M.	F.	M. F.	M.	F. N	M. F.	M.	E.	M.	F.	M.	F.	M.	E.	toT
Chass III.—LOCAL.  Order I.—Nerrous. Atrophy, (spinal) Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Congestion of brain. Constain of brain. Constain chronic) Dementia, (chronic) Dementia,	6.20 c 21		- m m m - m m m m m m m m m m m m m m m		: : : : : : : : : : : : : : : : : : :	- [0] [0] [1] [1] [- [1] [1] [- [- [		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	u i=355 . :-u iu- i- i- i- i-u-u i i-u		7-Cm		a 228a a 3 -+-2	- 12 31 12 31 0 31 T S		445 \$- 10 6 F 8 00-1 FB	4 1 8 8 8 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
Total nervous diseases	46 29	7	56 54	15 19	19 14	=	14	19 9	2	20	35	2	13	149	161	146	629
Order 2.—Circulatory.	- Control of Control o						-	-									

TABLE No. VIII-Continued.

						1	1875.										1876.			
A control of	00	October.		Ä	November.	er.		Decei	December.	-	Total first quar- ter.	first q ter.	nar-		January.	ary.		Fe	February.	7.
Cause of death.	W.		C.	W.		5	_	W.	C.	-	W.		c.	W.		Ö		W.		, j
	M. F.	. M.	표	M.	F. M	M. F.	M.	)	М.	E. A	M. F.	M.	표.	M.	E	M.	F.	М. F.		M. F.
CLASS III.—LOCAL.																				
Order 2.—Circulatory.										,								-		-
Aneurism of aorta, (thoracic) Aneurism of innominata artery Aneurism of subclavian artery					111	- : : :		-	-		: : : °	<u> -                                    </u>	:::	111		111	- 11	111	111	
Augua pecuvis. Artophy of heart. Dropsy, (eardiac).			: : :		: : :	<u> </u>		1					: : :						: :	
Embolism of brain. Embolism of brain, (insolation). Embolism of coronary artery			- ! :		: : :	1 1	1 1 1	::-			::-	:::	- : :	: : :					: : :	1 1 1
Endocarditis Fatty degeneration of heart			: :			- <u>:</u>	<u> </u>	1:	: :	11	<u>: :</u>		-			C.S	-	: :	: :	::
tleart clot Hypertrophy of heart Penigarditip			: : :			:	0	-	67	: : :	:-3	C3		: :-					1 1 1	· . :
Rheumatism of heart Rupture of sorta		1 :	11			11	11	11		11	==	::	11	11					::	
Kupture of Jugular vein		::	::	1	<u>: :</u> : :	11	::	<u> </u>	1		- :	::	: !	: !			: :	::	: :	· : :
Thrombosis, (pulmonary artery)  Valvular disease of heart	-	.03	· m	4	; C?	: -	C\$	-	: :	; 63	-2:	: 60	10		-	::	-	::	: :	:_
Total circulatory diseases	03	Q5	4	9	4		9	4	8	G\$	14 12	9	6	-	-	4	3	38	-	00
Order 3.—Respiratory.																		<u> </u>		<u> </u>
Asthma Smoothial catarrh.		::-		: :-		110	::-	. 4	::0	::			:- 10	11		<del>-</del>	10			0
Drongertion of lungs Congestion of lungs (insolation)		· · ·	: -:	(6)	•	- 1	:	1	603	: : :		9	:		- :	·= :	C?	·	GR	· ·

Cause of death.  Class III-LOCAL.  Order 2.—Greulatory.	1										1876.	.0										
CLASS III—LOCAL. Order 2.—Greutatory.		Maı	March.		Tot	Total second quarter.	rond		A	April.			May.			J.	June.		Tol	Total third quarter.	third q	nar-
CLASS 111—LOCAL. Order 2.—Greudatory.	-	W.			W.		c.		W.		C.	W.		. J		₹.		c.		W.		c.
CLASS III—LOCAL. Order 2.—Cérculatory.	M.	표	M.	귝.	M.	F. N	M. F.	M.	E	M.	곳	M.	표	M.	F.	M. F.	. M.	표.	M.	된	M.	표
Order 2.—Circulatory.																						
Aneurism of aorta, (thoracic) Aneurism of innominata artery		1	::		: :	- :		- : :	- 1 1		- : :		1		::			. : :			- 1	- 1
Aneurism of subclavian artery		: :							: ;	- :	: :		: :	-		: :			-			:
									:			:	-						:-	-	:	:
Embolism of brain.					-			G₹		:	:		:		: :	-			G.		: :	
Embolism of coronary artery		ij		: :	: :				:				: :		<u>: :</u>					: :		
Endorgarditis Fatty degeneration of heart		: :	: :	::	1 1	-	- 21	-	: :	: :	- :	- :	: -	- :	: :	: :	: :			:-	- :	
Heart clot Typertrophy of heart		: :	::			: :	: -	: :	1	:-	: ;		::	- :	GI	: :	1 1	:-				8
Pericarditis Rhennatism of heart	- : : :	: :		: :	m ;	1 :	- :	G .	- :	::	: -	: :	<del>- :</del>	: :	: :	: :	1 1	-	C? :	31	- :	
Rupture of aorta Rupture of jugular vein,		::	: :		: :	::			: :	: :	::		::		::		: :	::	1 1		: :	: :
Stenosis, (acrtic) Trombosis, (pulmonary artery)		; ; ;	11			1 1		- :	: : 3	: :	: : :					: .	: :	111	- :		: :	:-:
Total circulatory diseases.	9	1	1	9 6	, G.		6 9	9		3,	-   1	2 12	9	2 0	9 9	1	-   -	-   62	2 2	9 9	01	13
Order 3.—Respiratory.								11				1	İ	-	11	11	11			1		
Asthma. Bronchial catarrh		-	:	:	:	_	:	-	:	:	:	:	:	i	<u>:</u>	-	:	-:	-	:	:	:
	9 61	7-	400	- c2	0 m	76 <del>-</del>	- C - C	one and	r0 0\$	m :	. C8			-	·	-	- :	C4 25	: 60 -	98	4	3.00

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TABLE No. VIII-Continued.	A MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND CC
	7 OF
	MORTALITY
	MONTHLY

								1876.	.92							1
Manage of dooth	Jı	July.		August.	ن	Š	September.	er.	Tota	l fourtl	Total fourth quar-	ar.	Total	Total for the year.	e year	ę t
יוואסס ומספותי	W.	· ;	W.		5	W.		ن ن	W.				W.		5	
	M. F.	M.	F. M.	F. M.	F.	M.	F. A	м. F.	M.	F.	М. 1	F.	М.	F.	М.	표
CLASS III,—LOCAL.																
Order 2.—Circulatory.																
Aneurism of aorta, (thoracic). Aneurism of innominata artery				::		: !	::	11	11	- : :				11		- ;
Angina pectoris	<u>-</u>		CS.	: :	1 :	i	::	: :	; m	::		: :	4	C1 -	: :	
Autopily of Beart Dropsy, (cardiac) Encholism of Engl		-		: :			; -			:	-	:	- 6	:	61	-
Embolism of Prain, (insolation)  Embolism of coronary artery	-								- ;							1
Endocarditis Fatty degeneration of heart	1		-	1 :	11		: : : :	: :-	. 31	: :		: :-	· m -	- :	G1 0	: 07 0
Heart Clot Paricarticphy of heart.	1	- !-	6	1 1	61			1 : :	- 01	1	- 100	- ; ;	- to 4	* :-	· · ·	2 10
Rheumatism of heart			-	-		:	: :	-	-	C\$	;	-	· 5	9	· C1	7-
Rupture of jugular vein Standar of jugular vein				: :					: :			: :	-	: : : :-	1	1
													-	' ; ;		-
Total circulatory diseases	8	-	-	-	-	7	Cs	1 3	00	7.5	3	3	56	12	01	18
	7 4	5	-	CS	8	4	3	1 5	18	6	6	5	09	37	31	36
Order 3.—Respiratory.			1	:			:	, :	:			-	-	-		-
Bronchial catarrh.		-	3	<del>-</del>				- 1	9		m	63	<u>:</u>	25	17	19
Congression of lungs Congression of lungs, (insolation)	-	<del>-</del> :	- :	<del></del>			1	1		:	G1 :	- :	∞ <del>-</del>	-	13	91

						12	1875.						_			-	1876.			
19	Oct	October.	-	No	November.	er.	A	December.	ber.	To	Total first quar-	first qui	-: a	Ja	January.	y.		Feb	February.	'n
Cause of death.	W.	0.	T.	W.	-	c.	W.		j.	-	W.	<u>:</u>	T.	W.	-	c.	1	<u>₩</u>		5
	M. F.	M.	F.	M. I	F. M.	<b>4</b>	M.	표.	M. E.	. M.	표	M.	표	м. 1	F. A	M. F.	M.	포.	N.	1
CLASS III.—LOCAL.								-								_				
Order 3.—Respiratory.		-														-				
Hemoptysis Lamptitis Bennyfitis	- :			: : :	11:	-	111	:- ;	21	:-	: 34 :	:01	-	- : :-	111			1::	- : :	111
Ubdema of Inugs Pleuritis Pheumonia	6	: 1 9	2:20	70	: : +	: :2	- :=	: : 5	101	1 01	: :91	1 52	: :5:	- : œ		2::	 19 16	: !!-	2:::	: 22
Total respiratory diseases.	7 2	15	6	=	10	052	16	1 =	191	10 34	25	36	39	101	=	19 26	₹ 20	02	33	13
Order 4.—Digestive.					()											_		1		!
A bacess of liver A bacess of platynx A begins A trophy of liver Circlinasis of liver Congestion of liver Congestion (liver) Dentition, (morbid) Entertitis Gastrials Gastrials Heminalemesis Heminalemesis Hepatic strangmatch Hepatic strangmatch Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn Intensinal catarn	-   -    -    -    -    -    -    -    -    -    -    -    -    -  -			- :     -     - 0 - 0			-    -01    -			m: -m	: (Ψ= := : : : : : : : : : : : : : : : : :		;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;			- : : : : : : : : : : : : : : : : : : :				

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	ERS, BY SEX AND CC
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ABLE No. VIII-	COLUMBIA
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	ONTHLY MORTALITY OF THE DISTRICT OF COLUMBI.
	MONTHLY

1876.	March. Total second April. May, June. Totalthirdquar-quarter.	W. C. W. C. W. C. W. C. W. C.	M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M.			20 20 23 15 44 34 57 46 11 11 25 19 10 5 15 11 12 2 4 2	CT / 11 12 97 91 01 72 77 94 CO 61 17 75 65 65 65 65 65 65 65 65 65 65 65 65 65	2342111
	Cause of death.			CLASS III.—LOCAL.	Order 3.—Respiratory.	Pheumonia	Lotal respiratory diseases Order 4.—Digestive.	A baceas of liver A baces of pharynx A baces of pharynx A scites Atriphy of liver Colio Confession of liver Dentifies Batchis Gastrius Gastrius H-patitis H-patitis H-patitis H-patitis H-ruis (Atrangulated) H-ruis (Atrang

								100	1876.								-	
Canso of dearth.	J.	July.		ΨΨ	August.		Sept	September.		Total	fourt ter.	Total fourth quar-	÷	Total	Total for the year.	e year		stlis.
	W.	C.	1	W.		1	W.	C.	1.	W.		5	1	W.	-	ς.	T	જી વહ
	M. F.	M.	F. M	E.	M	F.	M. F.	M.	E	М. 1	F. N	M. F.	-	M.	F.	M.	F.	toT
CLAES III.—LOCAL.										-		1	-	-			1	
Order 3.—Kespiratory.															-			
Hæmoptysss  Barnoptysss Glebar plottidis Glebar of lungs Pleuritis Preumis	3	, i i i m	- : : : : : : : : : : : : : : : : : : :		:::::=	: : : : : : : : : : : : : : : : : : : :	G₹			9	9	10	1 : : : : : : : : : : : : : : : : : : :	- 6 22 22 23 25	- es : : : : : : : : : : : : : : : : : :	23 : : : : : : : : : : : : : : : : : : :	e -	00 x cs cs to 5
Total respiratory diseases	7 1	13	3 6	1:0	0.5	6 1	7	100	9	=	7.	15	15	17	109	172	156	578
Order 4.—Digestive.						1	11			1		1	1	1	1	1	1	
A bacess of liver A bacess of plarynx A bacess of plarynx A baces of plarynx A baces Carrophy of liver Colic Colic Congestion of liver Dentition, (morbid) Gastritia Gastritis Gastritis Hemit confortis Hemit	cr - cr						G\$ G\$			3,54 4,03		63 1-63-1		m	1921 2 2 2 2 2 2 2 3 1 1 1 1 1 1 1 1 1 1 1		1 01 -020 -1   001	0-01-10-448284-1001-01

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ORDERS, BY SEN AND COLOR.
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MORTALITY OF THE DISTRICT OF COLUMBIA
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Cause of death	Oct	October.		N	November.	er.		Dece	December.		Tota	Total first quar-	dua	1 4	Јап	January.		-	February.	ary.
	W.	_	c.	W.	-			W.	0	C.	W.	-	5		₩.		c.	W.		0.
	M. F.	, K	Þ.	M.	F. M	M. F.	W.	Fi	M.	124	N.	H	M. F	F. M	M. F.	M.	됴	M.	E	M.
CLASS III.—LOCAL DISEASES.																				
Order 4.—Digestive.																				
Obstruction of intestines Pertoritis, (diopathic) Parryngitis Stomatitis Stomatics Useration of intestines			- : : : : : :						- : : : :			62	- : : : :	- : : : : : :				cs	-	
Total digestive diseases	5	10	8	00	1 8	63	3	4	1.53	1	50	12	1 9	12	9	7	1:	4	C1	4
Order 5.—Urinary.					1							<u>                                     </u>	<u>  </u>	1						
Cystitis Diabetrop Diabetropy of prostate gland Hypertropy of prostate gland Nephria, (Dright's disease) Prolitis Prolitis Uremia				C4		1 6	22				- 9-	4.03		3 4	c,			- : : : : : : :		
Total urinary diseases	1-	2 1	-	C.5	-	1-	3	100	-		œ	9	100	1 -	4			-	-	1:
Order 6.—Generative. Cellulitis, (pelvio) Hemorrhage, (pudendal) Metritis, (tot puerperal) Metric peritonitis, (not puerperal) Ovarian tumor					-		1									1	11			
Total generative diseases.		1	:		-		-	:	:	:	:	C1		1		-	:	:	:	

TABLE No. VIII-Continued.

											1876.										
4	4	March.		H	Total second quarter.	ter.	-	-4	April.			Mg	May.			June.			Tota	Total third quarter.	P.
Cause of death.	W.		c.		W.	c.		¥.		2		W.	0.		W.		5		W.		5
	M. I	F. M	떠	M.	드	M.	F.	M. F.		표	M.	포	M.	E.	M.	F. M	1 F.		M. F.	M.	F
CLASS III.—LOCAL DISEASES.																					
Order 4.—Diyestive.	-																				
Obstruction of intestines. Perfonitis, (idiopathic) Pharyngitis Sfomattis		1		- 35	: :		i- i i				!!	- : :			: : : :			: :	25	- : :	
Stricture of rectum Ulceration of intestines.	-				::										: :	- :			:		
Total digestive diseases	9	1.0	-	19	22	6	25	9	n	20	9	~	-	20	8	13	20	3 15	16	1-	œ
Order 5.— Urinary.								-								-	-	-	_		
Cystitis Diabetes Diabetes Naphrin, (Bright's disease)	- : : -			G\$ 10		273	- 1 : :			: : : - :			-		-						Cs.
Pyelfish Pyelfish Sirintan of urethra								-				::::						-			
Total urinary diseases	G5	3		1-	m	20	-	35	35	-			-		-		1	1 00		8	C4
Order 6.—Generative. Cellulitis, (pelvic)					-	:	:			:		:				:			-		:
Hemorrage, (puderal) Merritis (not puerperal) Merria transmis, (not puerperal)																					
Total generative diseases		1			-				1-	1		-	1	1	-	1	-	1	1.	-	1

MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND COLOR.

	Canso of desth			CLASS IIILOCAL DISEASES.	Order 4.—Digestive.	Obstruction of intestines Performits, (diopathic) Plantyrights Stomattis Stomattis Ulceration of rectum	Total digestive diseases	Order 5.—Urinary.	Cystitis Diabete Diabe	Total urinary diseases	Order 6.—Generative. Cellulitis, (pelvic) Hæmorrbage, (pudendal) Metritis, (not puerperal) Metro-peritonitis, (not puerperal) Ovarian tumor	Total generative diseases
	P	III.	M. F.				7 7		Gł .	52		:
	July.	C.	M.			- ; ; ; ; ;	9					3
			7			- : : : :	-1			-		:
	ব	W.	M.			- : : : :	1-		- 63	8		:
	August.		F.			-	ec					-
	it.	C.	M. F.				5		-	:		:
			. M.				5		::	4		:
	Septe	IF.	~				2		Cs	S.		-
-	September.	C.	M.				m					:
1876.			E				2			:		:
	Total	W.	M. I				19 1	<u> </u>		6		-
	fourtl ter.		E. M.	4	_		15		- G2	63		3
	Total fourth quar-	C.	표			1	14 15			1		
			M.			84	7.3		1113	27		-
	otal for	W.	더			20 1 1 1	55		6.8	=		7
	Total for the year.		M.			-8-	36			10		
	ar.	C.	표			- m	35		1 1 2 1 1	00		CS
	saths.	b la	ToT			2222766	196		31125	26	St = St St St	6

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Common of Junets		October.	er.	-	Nov	November.	1	ı	есен	December.		Total first quar-	first ter.	quar		Jan	January.			February.	lary	
Cause of death.	W.		ت ت		W.		C.	W.		c.		W.		5		W.		2	=	W.	0	C.
	M.	7.	М.	F.	M. F.	M.	표.	M.	표	M.	표	М. 1	F.	M. F.	. M.	크	M.	F	M.	드	M.	1
CLASS III.—LOCAL.  Order 7.—Locomotory, (ossents.) Caries of temporal bone Carries of vertebre Coartum morbins Necrosis of davicle and stermin Necrosis of famit Necrosis of hand Necrosis of hand						<u> </u>							1	i						- : : : : : :		
Total locomotory (osseous) diseases						-			:	24			1	3	-	-	-		-	-	1	1:
Order S.—Locomotory, (integumentary.)																						
Abscess of thyroid gland.		: :	::			11	11	::	::			- :						: :				
Cellulits							: :						: :							: :		
Laptus evelepeu. Laptus evelepeu. Seleroderma							:::						: : :									: : :
Total locomotory (integumentary) diseases												-							1		1	
Total local class	35	6	41 25	5 37	25	24	9	+2	33	22	31	104 52	7 107	( L	25	67	33	37	=	25	100	35
CLASS IV.—DEVELOPMENTAL. Order 1.—Children. Afresis pulmonum. Afresis and alegorativ		- : :		::-	7		1	1 :::	-	-:	- : :						-	::	1	::	34	
Cyanosis. Debility, (congenital) Hemorrhage, (univilieal)			GN .	111		: ; ;	:- :	31	-	- 21	-	GN .	:		:-:		-			G#		

											1876.									ı
	-	March.		Ţ	Total second quarter.	secon	pr		April.		1	N	May.			June.	ů	To	Total third quar- ter.	bird q ter.
Cause of death.	W.	-	0.0	=	W.	0.	1.	W.	-	5	-	W.		c.	W.	_			W.	
	M.	F.	M. F.	M.	3.	M.	124	M.	H.	M. H	F. M	M. F.	M.	当	M.	Ei .	M. F	F. M.	Fi	M.
CLASS III.—LOCAL. Order 7.—Locomotory, Tossecus.) Caries of temporal boue.					7:				11			::					::-		- ! ! -	
(Anton to Vertrous Coxarum morbus. Lordosis, (cervical) Necrosis of clavicle and sternum.				1117	- ! ! !	1111	1111				1111									1111
Necrosis of leand Recrusis of band. Ractitis		#	::	-	::	:-	::				-									
Total locomotory (osseous) diseases			1:1	0.5	G\$	-		:			-	-	:	:			St		-	25
Order 8.—Locomotory, (integumentary.) Abscess of perinema Abscess of thyroid gland		1 1		- ! !	- ! !	1:	::			11	: :				-			111	- : : :	
A denitis Çarbuncle		-	: : :	: : :	-		; ; ;			. : :					1	1	<del>::</del>	1 1		
Cellulus Eczena, (impetiginodes) Linnus exelens						11	11	1	-		:::		: : :							
Scleroderma		00			:   ==	1		:   :							-				1	
Total local class			- 11		117	-	105	13	37	44	34	35	29 36	37	25	53	35	32 98	8	115 103
CLASS IVDEVELOPMENTAL.		1			11						1									
Order 1.—Children. Atelectasis pulmonum	:	-	9	-	-	6	c: -	-	-		61	G\$		C2	::	- :-		C4 :	63 : 63	- :-
A tresna ani. Congenital deformity		-			<u>.</u>		::	:	-		-	11	_ : -	:00	G4 65	- 63 73	- · · ·			
Debility, (congenital) Hæmorrbage, (umbilical)	- :	: :	::	: :	2 :	. C₹	11	1		i	•	: :	-		:	:	-	<u>:</u>	-	_

MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND COLOR.	TOTAL S			The second second												V
							1876.									
Power of douth	r	July.	V	Angust.		Septe	September.	3	otal 6	Total fourth quar-	nar-	Tota	l for th	Total for the year.		aths.
Cause of death.	W.	ن 	W.		-	W.	c.		W.	c.		11.		o.	1	əb la
	M. F.	M. F.	M.	F. M.	F. M.	3	M. F	F. M.	E	M.	F.	M.	된.	M.	E.	toT
Crass III.—LOCAL. Order 7.—Locomotory, (osseous.) Caries of temporal bone. Caries of v. rit-bra. Coxerum morbus. Necrosis of darkiel and sternum Necrosis of femrir. Rachitis.					Gr Gr	• • • • • • • • • • • • • • • • • • • •					- 01		- c,			89
Total locomotory (osseous) diseases					28			. //	:		20	21	20	9	7	15
Order 8.—Locomatory, (integramentary.) A bacess of perineum A bacess of thyroid gland		- :				::	::	: :	::	-	::			-	::	
Adenitis Carbiniele Carbitis				-::	:::	:::	::		:-	-			C1	- :	::	o≀ m −
Dozema (finpetiginodes) Schrossena (finpetiginodes) Schrossena (final fi			-			: : :						1 :-				
Total locomotory (integnmentary) diseases	1:	-	-	-		1 31		1	-	20	1:	5	7	G)	1:	=
Total local class	69 1	31 38	7.	¥3 31	56 59	7.77	31 32	911.0	98	93	3	187	375	<u>~</u>	384	688
CLASS IV.—DEVELOPMENTAL. Order 1.—Children. Atelectasis pulmonum. Atresia mi. Gongenital deformity Congenital deformity Deblity. (congenital)	- Cs 25	H : : : : : : : : : : : : : : : : : : :		e : : -	*	Gt	-::-:		. : : - 3	20		9 1221	9 25.21	91 : 16	0.1 .00	37
Debuny, (congental)  Hæmorrbage, (umbilical)		-		: [	::	::		::	-	? :	-	1 :	-	- m	<b>⊃</b> 01	

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Cause of death.	Oct	October.		×	November.	ber.		Dece	December.		Total first quar-	l first ter.	t qua	i	Jan	January.		-	February.	ary.
	W.		C.		-	c.	1	II.	0	C.	W.		ರ		W.		C.	1		2
	M. F.	W.	4	M.	F.	М. F.	. M.	3	M.	E.	M.	4	M.	F.	M. F	M.	E	M.	E.	M. F.
CLASS IV.—DEVELOPMENTAL. Order 1.—Children.						1				1										
therma Coterus neonatorum Premature birth Prefermatural birth	03 to 1	i i- i :	Cs	1 :- 1 :	-	GR .		1 1 1 1	-   6 - :	11111	03.4	: -3:	1 9 1		: : cs : :	:-:::		m .	1 :- 1 :	: :- : :
Total developmental diseases children	5 3	60	0.5	25	25	1 200	1 65	4	6	31	6	16	15	10	35	1 22	8	1	m	3
Order 2.— Women.	1	il_		11	1	-	11				1	-	-	II II	11	1	F		I	1
Onforon Chlorosis Emorrhage, (postpartum)			: :-			: : :			: : :	:::		:::	: : :	- : :	1 1 1	1 1 1	: : :	! ! :	:::	111
Hæmorrhage, (uterine) Metrorhagia		1 1	11	1	-	:	<u> </u>	11	11	11	::	:	: :			!!	: :			<del>: :</del>
r arath sis of near cutting labor. Puerpeal couvulsions	: :-		!!	1	1 :	::	::	- :-		::	11	- i c	11		:-	!!	:-		11	<del>: :</del>
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turpera metunis Puerperal metro-peritonitis	- 	11		::	11	:		-			::		11		-	11			: :	11
Puerperal septemia Puerperal toxamia			:			: :	: :					: :		: :			: :			: :
Rupture of uterus Sunnvasio mensium			-			::							1 1	-	:	11			1	<del>:                                    </del>
dious labor, (exhaustion from)		: :		:	1 1	: :	: :								: :	: :				
Total developmental diseases women	:	:	10	:	-	· ·	3	ε .		:		9	1 :	00	Cit	:	-	:	C.S	:
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Total diseases of age	1,	i'	1	I	1	1	1	1	1		İ	i		1	-					

	-											1876,												
Cause of death.		Ms	March.		ŭ	Total second quarter.	econ ter.	-		A pril.				May.			-	June.			Tot	Total third	nird r.	1
		W.		C.	=	W.	C.		W.	-	C.		11.		5		14.	-	0	-	W.	-	c.	1
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CLASS IV.—DEVELOPMENTAL. Order 1.—Children.																-			1	1		-	-	1
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Total developmental diseases children	9	~	10	-	13	x	16	10	7	18	1	13	1-	CS	20	1-	12	1 2	1-	5	19 1	<u>x</u>	10 17	1.
Order 2 Women.				-			To the same of		0	1	1			1	1	il	11	1	H		+	1	il il	
Abortion		-		: :		-		: :								: :		- : :	: :	_ :	: :	: :	- !	
Hæmorrhage, (postpartum) Hæmorrhage, (uterine)														_				_				ON .		
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Puerperal peritonitis								G#			: :	-		GR	: :	: :	: :	: :		: :	: :	: :	: : :	
Puerperal septamia	:	:	:	:	:	- 6	;	-	:	:		-	:	:	:	:	-	:,	:	:	:	: G8	:	
Rupture of uterus		: :		: :			: :			: :		-		: :		: :	1:		:	: :	: :	: :	: :	: :
Suppressio mensium Tedious labor, (exhaustion from)		-	::	-		-	11	-						::	- :	::	11	1 :	::		::		: :	1.1
Total developmental diseases women		35		10	1:	9	1:	100	1:	1:	1:	-	1:	7	1:	1:	-	15	1:	1 31	1:	6	1:	1 9
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Gangrene, (senile)	•		- [	•	7 :		- 0	. :			-		2 -	:			:	:			2 01	: 0		
Total diseases of age	2	20	1-	23	6	1-	0	5,	CS	1 20	-	0.5	7	3	1-	11	1 ~	31	1 44	2	1 20	1 0	100	-

MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND COLOR. TABLE No. VIII-Continued.

W.         C.         W.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.         M.         F.<		Canse of death.	לפוסט כני תמענדי		CLASS IV.—DEVELOPMENTAL. Order L.—Ohildren. Leteria neonatorum. Premature bird. Prefernature bird. Snira birda.	Total developmental diseases children.	Abortion Chlorosis Chlorosis Ghororinage, (hostpartum) Hemorrinage, (uterino) Metrorrinage, (uterino) Paralysis of heart during labor Puerperal corvulsions Puerperal lever Puerperal metro-perionitis Puerperal metro-perionitis Puerperal metro-perionitis Puerperal metro-perionitis Puerperal metro-perionitis Puerperal epetramia Puerperal consumia Puerperal consumia Puerperal consumia Puerperal consumia Rupture of uterins Suppression mensium Tedious labor, (exhaustion from)	Total developmental diseases women.  Order 3.—Old ags.  Gaugrene, (senile)  Gaugrene, (senile)	Total diseases of age
Legalst. September. Total fourth quant. Total for the year.  C. W.		J	W.			9		4	
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August. September. Total fourth quart. Total for the year.  F. M.			5		10 H	=		!! :	4
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Petember. Total fourth quar. Total for the year. F. M.			-	1	1	-			
Total fourth quarter.  W. C. W. C. W. C.  W. C. W. C.  W. C. W. C.  W. C. W. C.  W. C. W. C.  1 1 2 1 2 2 3 4 4 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Septe	W.			. 1		. 11	1
Total fourth quarter.  W. C. W. C. W. C.  W. C. W. C.  W. C. W. C.  W. C. W. C.  W. C. W. C.  1 1 2 1 2 2 3 4 4 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		embe			1 ::	:		• 11 •	
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tal for the year.  F. M. H. W. C. C. C. C. C. C. C. C. C. C. C. C. C.		uar-		74	121	=	St -1   Ct   -1	9 6	6
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Total deaths. $\omega$ $ z $ $ z $ $ z $ $ z $		ar.		E.	2, 7, 2,	45	04   004 00	33 88	34
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							1875.										1876.			
Cause of death.	Oet	October.		No	November.	er.		Dece	December.		Total first quar-	first ter.	luar.		Јап	January.		H	February.	ry.
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CLASS IV.—DEVELOPMENTAL.	-										÷							-		-
Order 4Nutrition.																				
Asthenia Atrophy		::			- : :		<b>-</b> :	- :	G1 :	- :	- :	C.	C₹	en :	G1	::	-	7:	- :	- :
Total diseases of nutrition		1:	:	1		31	-		31	-	-	G.5	m	===	1 21	1:	1-	-	-	1-
Total developmental class	10 10	-	2		9	6 10	-1	2	16	9	21 26	199	68	2.	10	100	101	6	9	1
CLASS V.—VIOLENT DEATHS.				11	il		10			1	1 -					1		1	1	1
Order 1Accidents and negligence.													-							
Burned, (by clothing taking fire from hall gas-light)  Burned, (by clothing taking fire while praving)  Burned, (by clothing taking fire while playing with fire)  Burned, (by clothing taking fire from carolle during fit)  Burned, (by clothing taking fire from carolle during fit)  Burned, (by clothing taking fire from coal oil)  Burned, (bouse ignited from coal-oil)  Concussion of brain, (fall roun building composition of brain, (fall roun building)  Concussion of brain, (from bits struck by railroad engine)  Concussion of brain, (from bits struck by railroad engine)  Concussion of brain, (from bits struck by railroad engine)  Concussion of brain, (from beity concussion of brain)													::::= <del>+</del> ~::::::							

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	MORTALITY OF THE DISTRICT OF COLUMBI.
	MONTHLY

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Canse of death.	N	March.		Tot	Total second quarter.	cond		A pril.	ril.			May.			Ju	June.		Total third quarter.	Ithird ter.	րր
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	M. F.	. M.	74	M.	E	M. F.	M.	æ.	M.	표.	M.	F. M.	E	M.	正.	M.	1	M.	E.	M. F
CLASS IV.—DEVELOPMENTAL.																				•
Order 4Nutrition.																		-		
Asthenia Atrophy	C3	::	- ! !	6	60	- :	cř .	11	1	Cs :	- :	::	::		c, :	3:	1	1	CS :	٠.
Total diseases of nutrition	03	:		6	3	-	37		1:	G.	-	:	1:	:	C.5	1.0	1-	-	C5	10
Total developmental class	13	17	9	31	45	56 56	9	9	-	10	23	6	=	13	35	9	01	200	37	21 31
CLASS VVIOLENT DEATHS.												<u>  </u>	11	1	_			-	-	-
Order 1.—Accidents and negligence.	-																			
Burned, (by clothing taking five from hall gas-light).  Burned, (by clothing taking five while in-units).  Burned, (by clothing taking five while in-units).  Burned, (by clothing taking five from candie during fit).  Burned, (by clothing taking fire).  Burned, (by clothing taking fire).  Burned, (holding taking fire).  Burned, (holding taking fire) (and oxplosion).  Concussion of frain, (fall from building).  Concussion of brain, (from blow).  Concussion of brain, (from blow).  Concussion of brain, (from blow).  Concussion of brain, (from blow).  Concussion of brain, (from blow).  Concussion of brain, (from fall).							:01										: : : : : : : : : : : : : : :	, cs		

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TABLE No. VIII—Continued. OF COLUMBIA, IN CLA		August.		표	-			1	{~	1		
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TABLE No. VIII—Continued.  MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND COLOR.		Canan of death			CLASS IV.—DEVELOPMENTAL.	Order 4.—Nutrition.	Asthenia.	Total diseases of nutrition	Total developmental class	CLASS V.—VIOLENT DEATHS.	Order 1.—Accidents and negligence.	Burned, (by clothing taking five which incuning)  Burned, (by clothing taking five which incuning)  Burned, (by clothing taking five which cronting)  Burned, (by clothing taking five which playing with five)  Burned, (by clothing taking five)  Burned, (by clothing taking five)  Burned, (by clothing taking five)  Burned, (by clothing taking five)  Concussion of brain, (fall from building)  Concussion of brain, (fall from arms of nurse)  Concussion of brain, (from blow)  Concussion of brain, (from blow)  Concussion of brain, (from blow)  Concussion of brain, (from blow)  Concussion of brain, (from fall)  Concussion of brain, (from fall)  Concussion of brain, (from fall)

# MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND COLOR.

						20	1875.									9	1810.		
Conso of death	00	October.		Nov	November.		De	December.	Jr.	Tot	Total first quar-	t qua	i.	Jan	January.		14	February.	ary.
Cause of acasts.	W.	5	5	W.		5	W.		C.	W.		c.		W.		5	₩.		Ö
	M. F.	M.	표	M. F.	M.	H	M. J	F. M.	E.	M.	pi	М. 1	F. M.	E.	M.	E	M.	E	M. F.
CLASS V.—VIOLENT DEATHS.																			
Order 1.—Accidents and negligence.					-														
Drowned. Drowned, (accidental). Fracture of femur, (fall of bank of earth).			:::	-					:-:	<u>:</u>	:-:	c: -		: : :					
Fracture of femurs. Fracture of legs and thigh. Fracture of skull (fall from buildine)				-	: :-			: : :		: :-	111	-		: : :					
Fracture of skull, Fracture of skull, (by blow)					1 1					::									
Fracture of skull, (by fall) Killed by blow on abdomen		: :	::	1	11	11		1 :	: :	::	11	<del>: :</del>	::	: :	-	11		Ħ	11
Killed by lightning Killed by railroad train			::		11	11		1 .,	11	: :	: :	::	#	::		11		<u>: :</u>	11
Neglect at birth Overlying by mother		! !			11	-	-	<u>: :</u>		-	- :		<u>: :</u>	::	Ш	- i		ii	H
Poisoned by caustic potash. Poisoned by caustic potash.														::					
Poisoned by creosote Poisoned by eating matches																-			
Poisoned by morphia.	-		: :		-					-			-	-				: :	
Shock from fright Shock from surgical operation	;	···						::		::	-	: :	::			11		ii	::
Smothered, (accidental) Strangled, (accidental)		: :	11		11	1 :		<u>: :</u>		::		::			!!	: ;	ii	ii	::
Suffocation, (asphyxia)	i i-				#	::	1	<u>: :</u> : :	<u> </u>	: :-	<del>: :</del>	::	<u> </u>		11	11	<u>;</u>	::	
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Total deaths from accidents and negligence	2		-	2		•	7			-	0			:	_	.5	:	:	_

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Canan of doath.		March.	ch.		Total second quarter.	otal secon	pind		April.	rij.	1		Мау.			J	June.		T	Total third quarter.	thin ter.	p
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CLASS V.—VIOLENT DEATHS.																						
Order 1Accidents and negligence.																						
Drowned, (accidental) Practure of Fenur, (fall of bank of cartl).	- 61		: : :	:::	- 28			:- :								- 21	; G\$		_ n :		જ	111
Fracture of Tennus Fracture of leg and thigh Fracture of skull, (fall from building).			-	:::		-						• ; ;		: : :			1 1 1		117			
Fracture of skull Fracture of skull (by blow) Fracture of skull (by blow)		: : :		1 1 1					: ; ;	: : :		-		- : :			: : :			: : :	- : :	
Killed by blow on abdomen Killed by hybring			:	: :		-	:		: :	: ;		: :					:::			: :	: :	:-
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Overlying by mother. Poisoned by alcohol		: :	1:	: :	: :			::	::	: :	1	:-		1 1		: :	: :	: :	:-	-	: :	
Poisoned by caustic potash Poisoned by chloral hydrate	-			::	: :	4		: :	1					1 1	1 1	- :	7 :	1	1 !	: :	- :	
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Scale from fright				-			-						-				:					-
Shock from surgical operation Smothered (surgicity)									-											-		1
Strangled, (acedental) Sufficiention, (asphyxia)	-	::		-	1 1		-	: :	::	: :				11	: :	-		- :		1		- :
Wound, gunshot		11	: :	: :						: :							Ш	-	::			
Total deaths from accidents and negligence	चुन	1	-	2	9	20	6	-	-	:	2	20	-	25	m	25	7	C≸	1-	77	9	n.
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MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND COLOR.

July.   W.   C.	Аиgust. . F. M. F.	September.  W. C. M. F. M.	M. F.	1 1	Total, fourth quarter.  W. C.  M. F. M. F.	luar-	Total f	Total for the year.	vear.	•
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her 0					-	-		-		_=
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Poisoned by chloral hydrate	-	:	-	:	-	-	=	-		G1 1
Poisoned by esting matches				-		-	-		-	
Poisoned by morphia.		:	:	:		-		-		CS C
Shack from fright				: :			7		-	
Shock from surgical operation				:						-
Smothered, (accidental)						-			6	1 6
Suffocation, (asphyxia)	:		:				-		-	CS
Wound, gunshot. Wound, gunshot, (accidental)			::	1	*	-			- !	≈
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					2	1875.										1876.	.9		
Const of doorh	Oct	October.	X	November.	er.		есеп	December.		Total first quar- ter.	first ter.	quar		Janu	January.		H	February.	ury.
TOTAL TO COLLEGE		c.	W.		0.0	W.		5		W.	-	5		W.	2	١.,	W.		5
	M. F.	M. F.	M. F.	F. M.	굨	M.	₹.	M. 1	F.	М. F.	. M.	Ξ.	M.	곳.	M.	골.	M.	표	M. F.
Order 2.—Homicide.											-								
By stabbing			:			-		:	÷				:	:	:	-	i	:	:
										: : :	-		- :						
Total homicidal deaths	-				-	-	1		1-1	1.	1								
Order 3.—Suicide.										11			L	1			İ		11
By poison, (landanum) By poison, (aconite)					: :	- :				-		::		- : :	: :				
Total suicidal deaths		:	:	1:	1:	-	1:		1:	-			1	1:	:	1:		1	1:
Total violent class	m	23	20	_	(~	25	22	m	25	100	1-	6 10	89	i	-	25	1:	:	35
Grand total all causes.	88 83	122	35 65	13	2	(:	2	96	56 21	219 218 232 226	(f)	35	70	2	23	7	5	57	77 85
	11.	170	143		145	Ξ	5	146		12	1	458		160	137	17	1 1 2	~	162
		212		6 6			6.000				100		-			1		-	
		,												2.7				0	

4	00
	AND
	SEX
	BY
	ORDERS,
	UNI
nued.	CLASSES
Conti	IN.
TABLE No. VIII-C	COLUMBIA
LAB	OF
	DISTRICT
	CHE
	0F 1
	X MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND CO
	MONTHLY A

						ñ	1876.							
Canse of death.	Me	March.	Total	Total second quarter.	April.	il.		May.		June.		To	Total third quarter.	bird er.
1000000	W.	c.	W.		W.	· :	W.		W.	-	0.	W.	-	5
	M. F.	M. F.	M. F.	M.	F. M. F.	M. F.	M.	F. M.	F. M.	F.	M. F.	M. F.	F. A	M. F.
Order 2.—Homicide.														
By stabbing			1				1111		- : : : : - : : : :			-:::	-	: : 63
Total homicidal deaths			1-			G?	1	1	-	1:		-	-	G2
Order 3.—Sutoide.											1			1
By poison, (laudanum). By poison, (aconite)							1:					:-		::
Total suicidal deaths					1	:				:	:	-		
Total violent class	T + 1	1 5	7	3 9	35	5	es .	G R	3 4	G₹	2 2	5.	2	6 10
Grand total all classes	109 83	96 77	281 219 236	236 236	77 66	75 78	25	71 64	74 135	81	33 115	135 118 123 115 282 255	155	262 267
	192	173	260	479	143	153	141	138		253	888	537	-	529
		365		972	24	296		279		491			1,066	

4, 246 10 Total deaths. 1,052 22 4 Ξ. . Total for the year. 2,093 ಶ 1,041 71 M. MONTHLY MORTALITY OF THE DISTRICT OF COLUMBIA, IN CLASSES AND ORDERS, BY SEX AND COLOR. 4, 246 1,016 91 = 2, 153 1 31 137 3 M. -353 0. Total fourth quar-634 311 1,313 N. 1 ~ 354 629 = M. 355 22 06 7 122 September. M. 25 30 349 7 13 175 1 M. 10 TABLE No. VIII-Continued. 20 26 7. Angust. M. 63 397 96 500 1 M. 113 up \*\* 25 ï 696 July. 21 M 7. 131 567 4 31 143 1 565 M. 25 By stabbing
Py fracture of skull
Py fracture of skull by blow
Infanticide By poise (laudanum) By poison, (aconite) Total homicidal deaths..... Order 2.-Homicide. Total violent class ..... Order 3.-Suicide. Cause of death. Grand total all causes. Total suicidal deaths

#### TABLE No. IX.

## MORTALITY FROM DIARRHGAL DISEASES IN THE DISTRICT OF COLUMBIA, WITH PERCENTAGES,

W.         C.         AL         F.         AL         F.         AL         F.         AL         F.         AL         F.         AL         BL         AL<			Unde	Under I month.	nth.		4	From I to 4 months.	to 4 I	nonths	,	4	From 4 to S months.	to S	nonth	oř.
M. F. M. F. T. M. F. T. M. F. M. F. M. F. M. F. M. F. M. F. M. F. M. M. F. M. M. F. M. M. F. M. M. F. M. M. F. M. M. F. M. M. F. M. M. M. M. M. M. M. M. M. M. M. M. M.	Cause of death.	=	.:	C		.fs	11		5		.ls	11	۲.		:	.ls
1		M.	F.	M.	F.	oT	M.	F.	M.	F.	ToT	M.	표.	M.	E.	ToT
1.209   1.209   1.207   1.202   2.4   2.5   2.5   2.	Cholera infantum Cholera morbus	4	4	70		13	19	08	10	14		27	27			96
1	Djarrhea. Dysentery	e :	· :	GI :	m -	=-	3	3-	= -	= -	22 22		G₹ 579	=-	2.4	63.40
1.259   1.279   1.627   4.221   6.169   6.493 3.247   1.545.90, 454   8.766 8.756 5.518   5.004   5.044   5.045   5.	Total diarrhœal diseases	-	2	(-	77	153	25	25.	32	96	99		35		7	123
0. 470 0. 470 1. 653 0. 470 0. 44 122 4. 150 0. 001 97, 29. 33. 300 1. 653 0. 001 0. 170 0. 1	Percentage, cholera infantum under 5 years	. 1.239	1.299			4. 221 306 . 530			3.247	1.545 .330 .678	20, 454 1, 484 3, 052	8.766 .636 1.308				31.16
OF DIARRHGAL DISASSES — 173 5. 243 5. 253 5. 253 5. 254 5. 255 5.	Percentage, cholera morbus under 5 years Percentage, ebolera morbus all ages Percentage, cholera morbus to total mortality all ages. Percentage, cholera morbus to total mortality under 5 years		THE RESERVE TO A R													
OF DIABRICAL DISEASES — 2.28 3.846 3.846 1.848 1.1539 3.846 1.1539 1.1539 3.846 1.1538	ercentage, diarrhoaa under 5 years. evecentage, diarrhoaa al ages ercentage, diarrhoa to total mortality all ages ercentage, diarrhoaa to total mortality under 5 years		2. 479 2. 128 071 146	1.653 1.418 .047	2. 479 2. 128 . 070 . 145	9, 090 7, 802 . 959 . 533	4. 132 3. 546 113 2. 242	4.959 4.255 141 .291	9. 091 7. 801 . 959 . 533		23. 404 23. 404 1. 599		1.653 1.418 .047	9, 091 7, 802 , 259 , 533	4. 132 3. 546 . 118	18, 189 15, 603 . 518 1, 066
OF DIARRHGAL DISEASES—PERCENTAGES.  1.535 1.535 1.535 8.549 8.71 5.48. 5.903 5.921 4.834 5.70; 91.710 6.79 7.018 7.456 1.335 1.334 1	Percentage, dysentery under 5 years. Percentage, dysentery all ages. Percentage, dysentery to total mortality all ages. Percentage, dysentery to total mortality under 5 years				3. §46 2. 024 . 049	3, 846 2, 021 . 049		3.846 2.023 .023	3.846 2.024 .024	3.846 2.024 .024	6. 071 . 145		11, 539 6, 070 145	3, 846 2, 024 , 048	3.846 2. .024 .019	19, 231 10, 118 . 242
1.533 1.535 1.535 8.70 5.48 5.983 5.921 4.824 5.70 11.710 6.70 7.018 7.456 11.533 1.535 1.	RECAPITULATION OF	DIARRI	HŒYE	DISE	ASES	-PE	SCEN	LAGE	vi							
			1, 535 1, 383 1, 165 . 339	1, 535 1, 384 1, 165 339	15. 19. 19.	5, 48: 4, 941 . 589 1, 211	5, 263 4, 743 . 565 1, 163	5. 921 5. 336 . 636 1. 30s	4.848 4.348 .518 1.066	5. 702 5. 13c . 612 1. 259	21. 710 19. 565 2. 331 4. 796	6. 79r 6. 127 730 1. 502	7. 018 5. 324 7. 754 1. 550	7.456 6.719 .801 1.648	5.70 5.13c .612 1.259	26. 971 24. 307 2. 897 5. 959

5, 702 21, 711 5, 138 19, 5, 5 612, 2, 332 1, 259, 4, 796

74, 780 6, 141 67, 391 5, 533 8, 031 , 660 16, 521 1, 357

18, 860 19, 956 17, 105 7 16, 996 17, 984 15, 415 6 2, 026 2, 144 1, 836 4, 166 4, 410 3, 778 1

6, 141 4, 821 20, 614 18, 859 5, 533 4, 318 18, 577 16, 990 660 518 2, 214 2, 025 1, 357 1, 066 4, 555 4, 167

3.953

TABLE No. 1X-Continued.

#### MORTALITY FROM DIARRHGAL DISEASES IN THE DISTRICT OF COLUMBIA, WITH PERCENTAGES,

•	E.	From S to 12 months.	o 12 n	onths.	-		Total under I year.	der 1	year.			rom 1	to 5	From I to 2 years.		
Cause of death.	-	W.	Ü		JE.	W.				Ja.	W.		0	c.	al.	
	M.	Ξ.	M.	=	ToT .	M.	도	M.	포	Tot	M.	7.	M.	포.	ToT	
Cholera infantum Choleya morbus	2:	16	9	Ξ	19	8	9-	23	4. X.	237	31	16	11	15	69	
Diarrhera Dysentery	7-	21	J. 10	7	31.0	16	20	g 49	92 <del>*</del>	£ 2	च दर	G1 m	9	= = =	51 X	
Total diarrheal diseases	21	070	'n	31	76	ĵ.	Ŧ	16	25	341	31	100	75	98	66	
Percentage, cholera infantum nuder 5 years Percentage, cholera infantum to total mortality all ages Percentage, cholera infantum to total mortality nuder 5 years	6, 168	5.195	5.195 5.195 4.546 21.104 22.402 .377 .377 .330 1.531 1.625 .775 .775 .675 3.149 3.343	4.546.2 .830 .770	4, 546 21, 104 22, 402 , 330 1, 531 1, 625, , 675 3, 149 3, 343		21, 753 17, 20s 15, 585 1, 57s 1, 248 1, 130 3, 246 2, 56s 2, 325	1. 208 1. 1. 258 1. 2. 568	5, 585 1, 130 2, 325	76, 948 7, 143 5, 581 , 518 11, 482 1, 066	7.143 .518 1.066	5. 195 . 376 . 775	4. 545 330 678	5. 195 4. 545 3. 896 20, 779 . 376 . 330 . 283 1. 507 . 775 . 678 . 581 3. 100	20, 779 1, 507 3, 100	
Percentage, cholera morbus and agos Percentage, cholera morbus all agos Percentage, cholera morbus to total mortality all agos Percentage, cholera morbus to total mortality and agos Percentage, cholera morbus to total mortality mider 5 years	100.				0001 3-2. H 0-2. H 0-2. H	==	4. 256 0.24 0.24		14. 286 . 024	00. 14. 286. 024 047	0. 4. 2546 0.24 0.04					
Percentago, diarrhea under 5 years Percentago, diarrhea al lagos Percentago, diarrhea to lotal mortality all agos Percentago, diarrhea to total mortality all agos Percentago, diarrhea to total mortality under 5 years	2. 3.306 194 1.00 194 1.00	1. 653 1. 41 . 047 . 097	1. 633 7. 435 1. 415 6. 353 . 047 . 212 . 097 . 436	5,755 18, 152 1 4,965 15, 603 1 165 518 339 1, 666	6.353 4.965 15.003 11.345 - 11.005 15.003 11.345 - 11.005 15.005 15.005 - 11.005 15.005 - 11.005 15.005 - 11.005 15.005 - 11.005		9, 219 23, 404 15, 441 306 . 777612 .631 1, 599 1, 259	23, 457, 451, 457, 23, 404, 15, 441, 1, 599, 1, 259, 1, 259, 1, 259, 1, 259, 27, 27, 27, 27, 27, 27, 27, 27, 27, 27		72, 727, 3, 306, 1, 653, 8, 264, 9, 091, 22, 314, 62, 412, 2, 837, 1, 418, 7, 092, 7, 819, 19, 19, 2, 072, 094, 047, 236, 259, 238, 1, 308, 4, 264, 194, 097, 484, 533, 1, 308	3.306 2.837 .094	1.653 1.418 .047	8. 264 7. 092 . 236	9, 091 7, 802 , 259 , 533	. 802 19. 314 . 802 19. 149 . 259 . 636 . 533 1. 308	
Percentage, dysentery under 5 years 3, 246 Percentage, dysentery all ages 2 Percentage, dysentery to total mortality all ages 2 Percentage, dysentery to total mortality under 5 years 0.09	3. 846 . 023 . 049	3. 546 11, 339, 3, 546 23, 677, 3, 546 19, 201 19, 231 15, 354 2, 6, 2, 10, 6, 2, 10, 10, 6, 2, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	. 846 11, 539 3, 846 ; 6 2, 2, 624 . 070 . 024 . 049 . 145 . 048	1, 539 3, 846 2 6, 2, 1 1070 , 024 1.145 , 048	20 22 21 24 124	3. 246 . 043 . 040	9, 231 19, 231 1 0, 10, 10, 115 242 , 242	231 19, 231 11 10, 117 118 242 242	8. 8. 194 . 194	57, 692 7, 692 11, 539 11, 535 90, 769 30, 834 .047 .071 070 138 727 097 145 146 388	7. 692 4. . 047	11. 539 6. 071. . 145	6. 071 6. 6. 11. 145	11. 53¢ 6. 070 . 146	90. 769 16. 1388	
RECAPITULATION OF DIARRHGAL DISEASESPERCENTAGES	DIAR	RHGEA	T DIS	EASE	SPE	RCEN	TAGE	·/:								

## MORTALITY FROM DIARRHGAL DISEASES IN THE DISTRICT OF COLUMBIA, WITH PERCENTAGES,

		From 2	From 2 to 3 years.	ears.		Fre	om :\$ to	From 3 to 4 years.	m².		From 4 to 5 years.	to 5 y	ears.
Cause of death.		W.	0.		Je.	W.	-	c.	al.		W.	C.	-
	M.	E.	M.	E.	10T	M. F	F. M.	균.	toT	M.	Fi	M.	E
Cholera infantum Cholera morbus Diarrhea Dysentery		35	64 .00.00	e	9 98					- : : :			
Total diarrhœal diseases		ਿੰਫਵ	x x	4	15					-			
Percentage, cholera infantum under 5 years. Percentage, cholera infantum to total mortality all ages Percentage, cholera infantum to total mortality under 5 years	325 023 048		.097	974	1.948 .141					. 024			
Percentage, cholera morbus under 5 years Percentage, cholera morbus all ages Percentage, cholera morbus to total mortality all ages Percentage, cholera morbus to total mortality under 5 years													
Percontago, diarrhosa under 5 years Percontago, diarrhosa al ages Percontago, diarrhosa to total mortality all ages Percontago, diarrhosa to total mortality under 5 years		1. 653 1. 418 . 047 . 097	2. 479 2. 128 . 070 . 145	827 709 024 049	. 827 4. 959								
Percentage, dysentery under 5 years Percentage, dysentery all ages. Percentage, dysentery to total mortality all ages Percentage, dysentery to total mortality under 5 years			6. 071 . 145	11, 539 6. 071	6. 0. 071 . 145								
RECAPITULATION OF DIARRHGAL DISEASES.—PERCENTAGES.	DIARR	HŒAL	DISE	ASES	PEI	CENTA	GES.						
Percentage, diarrhead diseases under 5 years Percentage diarrhead diseases all ages Percentage diarrhead diseases to total mortality all ages Percentage diarrhead diseases to total mortality under 5 years	. 219 . 198 . 024 . 048	. 439 . 395 . 047	1. 581 1. 581 . 388	. 791 . 094 . 194	. 877 3. 290 791 2. 965					. 219 . 198 . 024			

MORTALITY FROM DIARRHGAL DISEASES IN THE DISTRICT OF COLUMBIA, WITH PERCENTAGES, TABLE No. IX-Continued.

		Total under 5 years.	nder 5	years.		T	Total above 5 years.	S evoc	years.	П		Tota	Total all ages.	res.	
Cause of death.		W.	C.		.ls	W.		c.		Je	W.		5		JE.
	M.	F.	M.	E	toT	M.	24	M.	124	ToT.	M.	=	M.	F.	go.T
Cholera infantuu Cholera morbus Diarritova	93	2 - 1	69 :94	3 %	305	GE 32	37 %	G₹ ~	77	9 0	8 25 25	2 m 5	83.4	63	308.
Dysentery.  Total diarrheal diseases	E E	100	2 2	102	ñ 5	4 3	2 5	10,1	7 12	7 3	131	2 3	133	= ==	
Percentage, cholera infantum under 5 years Percentage, cholera infantum to fotal mortality all ages Percentage, cholera infantum to total mortality under 5 years	30, 195		26, 945 22, 403 20, 454 100. 1, 955 1, 625 1, 453 7, 253 4, 021 3, 343 3, 052 14, 92.	20. 454 1 1. 483 3. 052	00. 7. 253 14. 925					30, 195 20, 948 22, 403 20, 454 IO 1, 955 1, 625 1, 1483 4, 506 4, 021 3, 313 3, 052	2. 190 4. 506	1.955 4.021	1. 625 3. 343	20, 454 1, 453 3, 052	100. 7. 253 14. 922
Percentage, cholera morbus under 5 years 100. Percentage, cholera morbus all ages 14, 256 103. Percentage, cholera morbus to total mortality all ages 103. Percentage, cholera morbus to total mortality all ages 10.	100.	14. 986 14. 986 . 021 . 045	0. 4. 286 .021 .045			25.572 28.571 28.571 28.574 18.557 18.577 28.577 29	2.0.0	0.007 102 103 104 105 105 105 105 105 105 105 105 105 105	11. 19. 11. 11. 11. 11. 11. 11. 11. 11.	11111	85.57 0.00 0.00	155. 170. 341.	10.0	1.53.1 0.43. 0.03.	100.
Percentage, diarrhuea muler 5 years Percentage, diarrhuea all ages Percentage, diarrhea to total mortality all ages Percentage, diarrhea to total mortality under 5 years	16,529		14, 050 35, 016 31, 405 100, 12, 055 32, 624 26, 052 55, 5, 401, 1, 053, 5, 25, 2, 511, 5, 511, 5, 525, 2, 255, 1, 511, 5, 515, 51	11. 405 u 6. 952 1. 511	55.55 57.55	14, 050 38, 016 31, 405 100, 12, 055 32, 624 26, 505 2, 516 0, 518 5, 673 401 1, 083 - 516 2, 524 - 212 - 188 285 2, 228 1, 211 5, 546 - 366 - 388	5,671	900	1414		4. 154 20. 568 17, 729 31, 338 28, 370 -471 - 683 - 589 1, 107 - 912 -968 1, 405 1, 213 2, 276 1, 938	17. 729 33. 333 . 5-9 1. 107 1. 913 2. 276	33. 333 1. 107 2. 276	25. 370 1 . 912 1. 935	3. 321 6. 832
Percentage, dysentery under 5 years. Percentage, dysentery all ages. Percentage, dysentery to foral mortality all ages. Percentage, dysentery to total mortality ander 5 years.	6. 0. 070 . 146	30, 770; 16, 188	30, 770, 30, 770, 26, 922, 100. 16, 16, 14, 52, 187, 189, 160, 61; 387, 387, 390, 1, 260	6. 922 1 4. . 166 . 340	100. 52. 61: 1. 260	191			.094		14.	34. 30. 400 .354 823 .726	30.	1 260	1.175
RECAPITEULATION OF DIARRHGAL DISEASES.—PERCENTAGES	DIAR	RHCEA	T DIS	EASE	SP.	RCEN	TAGE	vi				1			
Percentage, diarrhoad diseases under 5 years Percentage, diarrhoad diseases all ages Percentage, diarrhoad diseases to rotal mortality all ages Percentage, diarrhoad diseases to total mortality all ages	25. 43+ 5. 620 5. 620		21, 901 26, 974 23, 684 100, 21, 542 24, 308 21, 341 90, 119 2, 568 2, 897 2, 542 10, 710 5, 280 5, 961 5, 231 22, 002	5. 25. 25. 25. 25. 25. 25. 25. 25. 25. 2	90. 10. 710 22. 032	25. 354 354 726	3.775 [1.976 [1.98] 0.881 55 889 55 917 65 884 82 500 100 81 81 81 82 500 100 81 81 81 81 81 81 81 81 81 81 81 81 81	1.976 230 485	11.13.	9, 85-1 25, 85-9 25, 297-36, 38-4 22, 530 ) 1, 177-3, 056, 3, 015-3, 133, 2, 65-3 2, 423 6, 346, 6, 201 6, 446 5, 52-2	5, 8×9 2 3, 0×6 6, 346	5. 297 2 3. 015 2 6. 201	6. 254 2	5, 550	9, 851 25, 859 25, 207 36, 254 22, 330 100 1, 177 3, 056 3, 015 3, 133 2, 653 11, 917 2, 423 6, 346 6, 20 6, 446 5, 522 24, 515

	Un	Under 1 month.	nonth.		Fr	From 1 to 4 months.	4 monti	30	Fr	From 4 to 8 months.	Smonth	25	Fre	om S to	From S to 12 months.	uths.
Causes of death.	W.		C.		W.		3	C.		W.		c.	=	W.	.c.	
	M.	F	M.	H	M.	E.	M.	F.	M.	Ħ	M.	F.	M.	표	M.	F.
Cholera infantum Cholera infantum Cholera morbus Cholera morbus Diarchup Diarchup Diarchup Diarchup Discontine Discontine Discontine Every chilous Entervoolitis Every chilous Every chi	4 00 14 00 00	4 100 144	10 102 1H W 10 00 00 00 00 00 00 00 00 00 00 00 00	0 48 44 4	9 10 1 1 1 1 9	00 00 100 11 100 11 100 10 11	01 11 11 11 11 11 11 11 11 11 11 11 11 1	# 8 H 1 0 H 1 8 H 1	(1) 41-1 41 1-1 1-1 10-1-1	[-] G1 €2 €	93 -1 -01	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	o area	фз	9 6 - 8 1 - 8 8	I 1- 1-1 1 33-1-4 33
Total from zymotic diseases	21	15	₹82	17	35	40	37	46	44	35	47	34	83	52	33	37
Percentage to total mortality under 5 years	1.017	727.	1. 163	. 678	1.696	1.938	1, 792	2, 229	2. 132	1.696	2, 277	1.647	1. 599	1.308	1.599	1. 792
Percentage to total mortality all causes	. 495	. 353	. 565	. 330	. 824	. 942	. 871	1.083	1,036	. 824	1.107	108.	777.	. 636	777.	.871
CLASS II.—CONSTITUTIONAL. Anæmia Anasarca														-	-	

TABLE No. X-Continued.

Causes of death.	T	Total under 1 year.	r I year		F	rom I to	From I to 2 years.	÷	Fr	From 2 to 3 years.	3 year	ż	Fro	From 3 to 4 years.	4 ye	irs.
		W.			1	W.	S.			W.	c.		W.			c.
	M.	F.	M.	Ξ.	M.	Ε.	M.	F.	M.	F.	M.	F.	M.	F	M.	둄
Cholera infantum.	69	67	23	Δ,	31	19	-	21	-		G	er.				
Cholera morbus	G	- 3	-					3								
Diarrhos	2 2	23.	33.	97	3 T	G 91:	10	7 = 1	5	25 05	- n	-	-	22	- :	: :
Dysentery.	m —	58 KG	- 13	77	÷ 01	** **		21 22	-	21		:	10	G₹	-	
Enterocolitis	iG +	73	0.0	Ξ-	m	8	G1	n				-				
Pever billons	-	2		-							-	-	-	-		:
Fever, cerebro-spinal	20	32		-		G7	9	-				-				
Fever, congestive	-	:	-	-			:	-			-	-	-	:	-	:
Fever, remittent		-		-				21		-	G	-			-	:
Gever, scarlet	SP	35			7	10.		-	1.0	n	≎1			7		
ever, typnout					9	<b>-</b>	-		25	-	-			:		
Ieasles		-								1					-	
Yæmia	:		-			:	:				:			:		
ariola			-	21	-						:	-	:	:		:
Whooping-cough	10	es .	is:	m	G₹	073	10	77			-	-				
Syphilis, (congenital)	10	1 5	0 2	~ 2		:-		- 7		-	!		:	-	G\$	
Purpura hemorrhagica	9				-	1						1				
Aphthæ Worms	10	- :	o. →	7		21	- :									
Total from zymotic diseases	133	117	141	131	96	1-	339	7	13	21	17	=	9	6	00	5
Percentage to total mortality under 5 years	6.444	5.689	6.831	6, 346	5 de 150	2.277	1. 255	9366	. 630	. 582	3.	. 533	165	. 436	. 387	545
Percentage to total mortality, all causes	3, 132	2, 755	3.350	3, 085	1, 178	1. 107	.918	1.131	.306	256.	101.	. 258	141	. 212	189	.118
CLASS IL.—CONSTITUTIONAL.		1														

MONIAULII OF CHILDREA CADEM FIVE IEARS OF AGE, FROM ALL CAUSES, IN THE DISTRICT OF COLUMBIA, Regerered for the Twente months ending Severaber 30, 1876.	REGISTERS	D FOR THE	RO OF A	DER FIVE LEARS OF AGE, FROM ALL CAUSES, IN Registered for the Tweive Months ending September 30, 1876.	M ALL	CAUSE TEMBER 36	S, I.N. 1 9, 1876.	HE DIS	I KICI I	JF COLUMBI	Α,
		From 4 to	From 4 to 5 years.			Total under 5 years.	r 5 years.			Percentage	-
Causes of death.		W.	3	c.	-	W.		c.	Total.	total mortal-	age each cause to
	M.	F.	M.	F.	M.	F.	M.	124		years of age.	tality.
Cholera infantum Cholera morbus	1				93	8-	69	63	308	14.923	7. 253
Group. Diarrhea		8			20 00	15	4.8	α <u>α</u>	33.	1.696	8.824
Diphtheria	7				2	( a x	G≯ OX	300		1.599	777.
Enterocolitis Erysipelas					ж. <del></del>	i - m	120	17	0.44 0.44	2. 132	1.036
Fever, bilious Fever, cerebro-spinal						4	· · ·		, — <u>e</u>	048	
Fever, congestive Fever, intermittent					-			-	0 10	760	
Fever, remittent Fever scarlet				-		Cs =	- m c	9	1219	. 581	
Fever, typhoid			1		. ss		o 01:	- G7	- 1	. 339	
Keasles				1	22	s≀	32		- 61	. 097	
Pyæmia . Tonsillitis							-			. 048	
Variola						٧		46	₹ 10 g	245	
Syphilis, (congenital)					- : (	;	6	24	17 8	. 678	
Purpura hæmorr bagica					2 34	=	13	FE .	3 01	3.198	
Aphtum. Worms					2	e :	1 10	7	33 T	1.066	. 518
Total from zymotic diseases	00	8	1	61	210	188	506	197	801		
Percentage to total mortality under 5 years	.388	.145	. 049	760.	10.175	9.109	9.980	9, 544		38.808	
Percentage to total mortality, all causes	. 189	. 071	. 024	. 047	4.946	4.428	4.852	4, 639			18.865
CLASS II.—CONSTITUTIONAL. Auasarca						1	1	G\$	3	.048	. 023
						-	-				

	U	nder 1	Under I month.		F	rom I to	From I to 4 months.	18.	Fr	From 4 to 8 months.	S month	18.	Fre	om S te	From S to 12 months.	nths.
Canses of death.	W.		0	c.	II	W.	0	c.		W.	C.	-:		W.		C.
	M.	F.	M.	7	M.	×.	M.	F.	M.	F.	M.	고	M.	공.	M.	×
CLASS II.—CONSTITUTIONAL.			-	-	63	-74		-	3	77	n	8		Ade	G₹	m
Anedinacism Hydrogephalus Scrofnia							31-	G/	20	:- ;	•	1	G₹	8-	1	
Tabes mescuterica Tubercular broughitis		- ;	-	- :	- ;	- :	9 31	e :		3₹ :	m -	3₹	-	25	4	च ७≀
Tuderonar enterus Tuderenlar meningitis Tudereular peritontis									-							G₹
Tuberculosis		Ī										:				
Total from constitutional class	21	25	25	25	7	9	11	2=	1-	TC	22	9	ຕ	=	100	22
Percentage to total mortality under 5 years	. 097	760.	760	760.	194	165.	22	.339	. 339	÷.	.5%	165.	CH1.	. 533	385	. 581
Percentage to total mortality, all causes	. 047	740.	.040	. 047	1004	. 141	. 259	. 165	. 165	3	22.	141.	. 071	. 259	7.	. 28.53
Apoplexy, (cerebral) Arrophy, (spinal) Ongestion of brain	2	St 30	98	11111	- 20		: :- x	: : : X	::	1 1		100	37.00		11.51	
Epilepsy	- :	1							:	G#		:-	GP	1		
Meningitis	હ≀	C\$			-	-		-	7	9	G₹	:	G₹	3	G₹	
Paraplegia											:		:			
Frismus nascottium Endocarditis	6	(	37	31												
Pericarditis.												-	:			
Valvular disease of heart.	-						-					:				
Bronchial catarrh								:								
Congestion of lungs	:}		1			9		LC .	4.0	0	-					

MORTALITY OF CHILDREN UNDER FIVE YEARS OF AGE, FROM ALL CAUSES, IN THE DISTRICT OF COLUMBIA, TABLE No. N-Continued.

. 485 . 236 From 3 to 4 years. ပ . 048 0.53 M. 048 0.54 × . 047 M. . 097 . 678 Z. From 2 to 3 years. ರ 189 M. G ? 700 194 H 1 35 M. REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876. 55 1.211 526 4 From I to 2 years. j 989 27 1,308 M. . 533 1 11. . 436 M. 636 1.308 Total under I year. 4 33 1,599 Ä. . 636 H M. . 775 Apoplexy, (cerebral) 91 M. Tubercular meningitis. Tubercular peritonitis Tuberculosis. Atrophy, (spinal) Marasmus Rheumatism Hydrocophalus Total from constitutional class..... Percentage to total mortality under 5 years ... Percentage to total mortality, all causes ...... Brouchitis Congestion of lungs Pericarditis Bronchial catarrh..... Tubercular bronchitis Thrombosis, (pulmonary artery) ..... CLASS II.—CONSTITUTIONAL. Asthma Scrofula Tabes mesenterica Tubercular enteritis CLASS III.—LOCAL. Congestion of brain Laryngismus stridulus ..... Trismus nascentium. Valvular disease of heart..... Meningitis. Pott's disease of spine Convulsions, (infantile)..... Epilepsy Causes of death. Inflammation of brain Paraplegia

1	_	From 4 to 5 years.	o 5 years.			Total und	Total under 5 years.			Percentage	Percent.
Causes of death.	2	W.		:	, -	W.	C	1	Total.	each cause to total mortal-	age each canse to
	M.	E.	M.	3	M.	3	M.	F.		ity under 5 years of age.	total mor- tality.
CLASS II.—CONSTITUTIONAL.		-		- - - - - - - - - - - - - -	6.	-	13	- T	57	9, 761	1.343
Knefilmatism Hydrocephalms Scrothia				-	= 21	e m	6	∞ €	- # x	1.647	
Tabes mesenterica Tubercular bronchitis				37	9	L	50	<u> </u>	i z	44 10 10 10 10 10 10 10 10 10 10 10 10 10 1	2.049
Tubercular euteritis Tubercular meningitis Tubercular peritonitis Tuberculosis					7	. C.	9	- T 21 -	- 8 21 -	. 049 11.11 10.05	. 047 . 047
Total from constitutional class	-	-		77	8	7	69	2	966		
Percentage to total mortality under 5 years	. 049	680.		194	1, 599	2, 132	3,343	3.876	1	10, 950	
Percentage to total mortality, all causes	. 023	.053	1	F00.	1.1.	1, 036	1.625	1.735			5, 323
CLASS III.—LOCAL.					-			-	G1	760.	740.
Congestion of brain Conversions (transition)		21		-	6. 18	28	115	⊸ જ≀ ટ્ર	34	1.647	50.
Epilepsy Inflammation of brain					3 1			g 21 x0	16 33	. 145	
Laryngismus stridulus Meningitis Meningitis		1	1	1	15	16	13	(	- 35	9. 048	1.319
Paraplegia  Part's disease of enine										200	0.00
Trismus nascentium					6.	- 2	37	31	- <del>Z</del>	4.070	1.97.
Endocarditis			-		: 31		-		- °	870.	150
Thrombosis, (pulmonary artery)					-			-		7.10	10.
Asthma							1		2	. 04%	1.0.
Bronchial cat 11711 Bronchitis Congestion of Innes					5.5		7	- (- 3	57	9. 762	1.343
The second secon									111		100

TABLE No. X.—Continued.

MORTALITY OF CHILDREN UNDER FIVE YEARS OF AGE, FROM ALL CAUSES, IN THE DISTRICT OF COLUMBIA,

	Un	der 1	Under I month.		Fre	From I to I months.	1 month	ž	Fro	m 4 to 8	From 4 to 8 months.		Fro	om S to	From S to 12 months.	ths.
Cause of death.	H.		C		W.		.c		W.		· .		W.			
	M.	표	M.	F.	M.	F.	M.	7	M.	F.	M.	표	M.	F.	M.	표
GLASS III.—LOCAL.										1		i	:			
Laryngitis. Œdema glottidis.																
(Edema of lungs.	G₹	-	ÇŞ	7	3	52	=======================================	Ξ	x	20	25	1	3		18	10
Abscess of pharynx	Ģŧ	1														
Congestion of liver	1		:	-	-			:	:	:		:	-	:		-
Deutition, (morbid)					-	T		-	~		-	GX	1	જ		1
Gastritis				7		1	-		П.		:	:	-		:	
Gastroenteritis	-	1	:		:	:			-	-		:	:	7		
Hernia, (strangulated)		:					-									
Intestinal catarrh.							-									
Janudica								1				:		:	:	
Melæna			_		:							:	:	:	:	
Obstruction of intestines	:	-	:	:	:	:		:	:			:	:	:		
Pharyngitis			:	-	:			:		:	_	:	:	:		
Stomatitis	-1	1	:	-		:-										
Nonhaitie		-														
Hamorrhage (pudendal)								:		-				:		:
Caries of temporal bone	-	:	-	-		:	:	:			-	:	:	:		
Lordosis, (cervical)		:	:		-	:		-	-	:	:	:	:	:	-	-
Necrosis of hand	-	-	:	:		:						:				· -
A become of noningum		:													-	
Adenitie			-		-		,				:		:	:	:	
Carbuncle			:	:	7	:		-		:	:	:	:	:	:	
Cellulitis		-	-	:	:		:	:	-		:	:	:			
Eczema impetiginodes	:	:	-	:		:	-	:		-	:	:	:		-	
Scleroderma	:	-	:		-										:	
Total from local class	33	56	11	54	120	F6	31	33	27	57	46	34	19	50	41	52
Percentage to total mortality under five years	1.599	1. 599 1. 260	3,440 2,616	2.616	.872	1.163	1,502	1.599	1.308	1, 163	2, 229	1.647	036.	696.	1.986	1.211
Percentage to total mortality from all causes	777.		.613 1.672 1.272	1.272	. 424	. 565	. 730	777.	. 636	. 565	1.083	.801	. 448	. 471	996	. 589
	1							-			-	-		-		1

MORTALITY OF CHILDREN UNDER FIVE YEARS OF AGE, FROM ALL CAUSES, IN THE DISTRICT OF COLUMBIA, REGISTERED FOR THE TWENTE MONTHS ENDING SEPTEMBER 30, 1876. TABLE No. X-Continued.

The state of the s		Total under I year.	der I yea	ur.		From I to 2 years.	o & Year	ź	H	From 2 to 5 years.	s year	18.	Fre	From 3 to 4 years.	A year	FS.
Cause of death.		W.		5		W.		5		W.		c.	=	W.		0.
	M.	E.	M.	3	M.	Е.	M.	£	M.	Ξ.	M.	Ε.	M.	E.	M.	Ξ.
CLASS III.—LOCAL.																-
Larynoitis								-				: :				-
(Edema glottidis							:	:								
Cedema of lungs					- :			100		:	i			:		
Pacultonia	16	5.	90	33	X.	4	÷-	3	0	20	-	??	20	-	o	o.
Abscess of pharynx (Jolig	G														-	
Congestion of liver	-					:		:								
Dentition, (morbid)						:	:		:		3₹	:		-	:	-
Enteritis	age of	n .		·		-	1	25	1	-		:	:	:	:	:
Castritis	21 -	7:	- 3					:			_		:	-	:	_
Castroenterius	1	2		-	4		1		:		:	-	:	:		:
Hernia, (strangiliated)				:							:	:	:	:		:
Intestinal catarrn				-			:				:	:	:	:	:	:
Term dies	:										:	:		:		:
Malama			-												:	:
Obstruction of intestines		-														:
Pharmaritis			-											:		:
	-	-														
Nephria (Bright's disease)		1				:	-	:	:							
Nephritis					:	-		:			:	:			-	
Hæmorrbage, (pudendal)		-							: :	:	:	:			:	
Caries of temporal bone	:							:	:	:	:	:	:	-	:	
Lordosis, (cervical)	:	:			:		-	:	:		:	:	:	:	:	:
Necrosis of hand						:	9	:	:		:	G	:	:	:	
A becase of nominants			-	-	4		2			:	:	,	:	:		:
A denitis	-													:		
Carbuncle	-						:	:	:							
Cellulitis	1	:				:	:		:		0 0		:		:	
Eczema impetiginodes	:	-	:	:	:	:	:	:			:		:	:	-	
Scierodelina	-						:					:				:
Total from local class	97	94	189	116	250	12.22	51	53	11	10	<u>r.</u>	33	9	9	11	20
Percentage to total mortality under five years	4.699	4.555	9, 157	7, 073	7, 073 1, 405	1.308	2, 471	2,519	. 533	7.	878	1.114	168.	166	. 533	.384
Percentage to total mortality from all causes	2. 2. 2. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	2.214	4.451	3, 439	. 683	1.636	1.201	1. 554	. 259	. 236	151	.542	1111	141.	. 259	188

		From 4 to 5 years.	5 years.			Total under 5 years.	er 5 years			Percentage	Percent.
Cause of death.	W.		C.		II	II.		c.	Total.	total mortal.	cause to
1	M.	F.	M.	H.	M.	F.	M.	E.		ity under 5 years of age.	total mor- tality.
GLASS III.—LOCAL.		1							-	90	660
anyngitis			-		-		1		- R	. 145	. 071
Edema giottidis Edema of lungs										. 049	.00. 420.
Pneumonia Abscess of pharynx		4	-	Cst	35	21	92	83	223	11.048	5.369
Colic					G₹ =	1	-		e major e	194	. 094
Dentition, (morbid)							G.	-	4	194	. 094
Enteritie		Cs.			ro	<b>~</b> °	Gł G	98	20	696	. 471
sastro-Enteritis					oG₹	n en	* m	G G 2	10	485	. 236
iernia, (strangulated)	:									660.	.023
ntussusception of intestines									- 03	260	047
anndice	:	:						-	-	650	.033
Destruction of intestines						-	-			640	.024
sharyegitis							-			250	024
Stomatitis Nanhria (Rright's disease)			:	:	-				C?	760.	. 047
Nephritis								1	200	760	740.
Hemorrhage, (pudendal)				:						640	. 024
ordosis, (cervical)						7	-			0.48	0.02
Necrosis of hand							•	-		048	053
Kachitis					-		c≀ -	3	9 -	. 291	141
Adenitis					-				4 63	760	047
Sarbunele Jellulitis										.048	460
Eczema impetiginodes					-	-				. 049	024
Total from local class	1	6	5	9	144	146	274	235	799		
Por entage to total mortality under five years	. 049	. 436	. 242	. 291	6.977	7.074	13. 275	11, 385		38.711	
Percentage to total mortality from all causes	0.04	610	011	141	9 901	007 0	0 44.0				

MORTALITY OF CHILDREN UNDER FIVE YEARS OF AGE, FROM ALL CAUSES, IN THE DISTRICT OF COLUMBIA, REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1876. TABLE No. X-Continued.

	5	rder 1	Under I month.		E	From I to 4 months.	4 mont	12.	F	From 4 to S months.	S montl	18.	Fre	om S to	From S to 12 months.	ths.
Cause of death.	W.		0	c.		W.		່ວ່		W.		<u>ن</u>	W.		5	c.
	M.	F.	M.	F.	M.	4	M.	3	M.	Ε.	M.	E.	M.	2	M.	E.
CLASS IV.—DEVELOPMENTAL.	9	9	91	6.												
A tresia ani	-	-		-			-				:	:	-			
Yanosia	20	m	-	Gž.		-	-			_						
Debility, congenital Hemorrhage, (umbilical)	9		L es	.G 9₹	7	7	2₹	- :	-		-	: :				
Iernia, (umbilical)	67	:	-	6	-		-	-	:	:	:	:	:	-		:
rentative birth	65	<u>x</u> 2	°	) .E o	- 01		-	-	-			: :				
Spina bifida		1	- 1	1			:					: :				
Total from developmental diseases	24	300	94	39	1-	52	1-	3.	₹	35		-				
Percentage to total mortality under 5 years	2, 326 1, 841	1.841	0.22	1, 590	.339	<u> </u>	. 759	. 097	760	. 697	710.	. 048	:			
Percentage to total mortality, all causes	1, 130	. 895	1, 083	76 6.	. 165	2	. 165	. 047	. 047	. 047	. 024	. 024	i		:	
Barneed by clothing taking fire.  Barneed by clothing taking fire.  Barneed by cothing taking fire from hall gas-light.  Barneed by coad-oil caking fire from hall gas-light concussion of brain from fall against from pot.  Concussion of brain by fall from anns of nurse.  Concussion of brain by fall from anns of nurse.  Selects to brith.  Poisoned by another  Poisoned by actuatic potash  Poisoned by actuatic matches  Poisoned by actual matches  Poisoned by actual matches  Poisoned by actual matches  Poisoned by actual matches  Poisoned by actual matches  Poisoned by actual matches  Sacad  Sacad  Sacad contributed the conclusion of the c			33	6				<u> </u>				Ga				

#### MORTALITY OF CHILDREN UNDER FIVE YEARS OF AGE, FROM ALL CAUSES, IN THE DISTRICT OF COLUMBIA, TABLE No. X-Continued.

	T	otal und	Total under 1 year.	٢	H	From I to 2 years.	o 2 year	ż	E	From 2 to 3 years.	3 year	ri.	Fro	m 3 to	From 3 to 4 years.	ILS.
Cause of death.	H	W.	<u>ာ</u>		A	W.		c.		W.		c.	W.		0	5
	M.	स	M.	F	M.	F	M.	Fi	M.	F.	M.	F	M.	H	M.	14
CLASS IV.—DEVELOPMENTAL.	9	9	16	6												
Atresia ani Songenital deformity	-	GE	1	-												
Syanosia O-lility concenited	50 -	5	cs =	m :	,											
Hemorrhage, (unbilical)	=	1		<b>⊃</b> 0₹												
cterous neonatorum				G	-	:					:	-	-		:	
Premature birth	30	18	15	7.5												: :
Spina bifida		21	n -1	25									: :	1	: :	
Total from developmental diseases	57	45	54	4.5							:	:				
Percentage to total mortality under 5 years	2, 762	2, 180	2.616	2. 035						:	#:	:				
Percentage to total mortality, all causes	1.342	1,060	1. 272	. 989							:				1	
CLASS V.—VIOLENT.																
Burned by clothing taking fire Burned by clothing taking fire from hall gas, light									-	1	:	:	-		-	
Burned by coal-oil	-					-			1						: :	
Concussion of brain by fall from arms of nurse											-	-	:		: :	
Concussion of brain by fall														-		
Overlying by mother		1	NR .	- C1												
Poisoned by alcohol			:		:	-	-				!			:		
Poisoned by creosote			:					:		:	-	-	:	-	:	
Poisoned by eating matches												1				
Poisoned by morphia		-			:	:	:	:	:			:	-	:	-	i
Shock from fright							:	1				:	-	-	:	
Smothered, (accidental)		-														
andled (accidental)				9												

		From 4	From 4 to 5 years.			Total und	Total under 5 years.			Percentage	Percent.
Canse of death.		W.		c.		W.		G.	Total.	total mortal.	
	M.	F.	M.	F.	M.	F.	M.	F.		years of age.	total mor-
CLASS 1V.—DEVELOPMENTAL. Atelegrasis pulmonum					ę	9	91	c	32	1. 793	178.
Congenital deformity (Vymots) Debility, congenital Hemorrhage, (mn)olical)						35 TO = -	- 3° = 10°	m 9 61	447580	194 127 127 129 129 129	919
terran, quinblient) [circrons areonatorum [renature birth. Precaratural birth. Spina biffa.					30		58-	애플래	-12		20.1.1.2 20.1.1.2 20.1.1.2 20.
Total from developmental diseases					55	45	54	45	198		
Percentage to total mortality under 5 years					2.762	921 zi	2, 616	2. 035		9, 593	
Percentage to total mortality, all causes			:		1.340	1.060	1. 272	986			4.663
Grass V.—VIOLENT.  Barned by clothing taking fire  Barned by clothing taking fire from hall gas-light						1		- :	31-1	260.	. 047
Concussion of brain from fall against from pot.							-		27 1	. 0.50 . 0.50	. 024
Concassion of brain by fall		· · · · · · · · · · · · · · · · · · ·					G		=	040	3000 3000 3000 3000 3000 3000 3000 300
Overlying by mother Poisoned by alcohol Deformed by account	1							Gt :	m =	145	0.071
Poisoned by causette poursu. Poisoned by eating matches					-		-	1		040	2.5.5
Poisoned by morphia.						1		1		250	0.20
Succe from fright Smothered, (accidental) Strangled, (accidental)				-		1		- GR	01	048	. 024

MODERALITY OF CHILDREN HADE FIVE VEARS OF ACE REOM ALL CAUSES IN THE INSTRUCT OF COLUMBIA TABLE No. X-Continued.

	Un	Under 1 month.	month.		Fr	on I to	From I to 4 months.	us.	Fr	om 4 to	From 4 to S months.	18.	Fr	om S to	From S to 12 months.	nths.
Cause of death.	W.		.c.		W.		0	c.	=	W.	c.		1	W.		
	M.	M. F. M.	M.	Œ.	M.	F.	M.	표	M.	표	M.	*		M. F.	M.	F.
CLASS V.—VIOLENT.																
Suffocation, (asphyxia).	-	8		— c≀								1			1	
Total violent deaths	63	9	જ	15	1				63			8		-		
Percentage to total mortality under 5 years	760.	. 291	760.	. 582	. 048				760.			.145		. 048		
Percentage to total mortality, all causes	. 047	.141	. 047	. 282	. 024				. 047		120.	. 071	10.04	.034		
Total mortality under 5 years	106	82	145	121	65	7.5	98	80	88	69	106	22	55	29	93	14
Total percentage in each period of life under 5 years to total mortality under 5 years.	5. 136 4. 215 7. 025 5. 862	4. 215	7. 025	5. 862	3, 149	3. 634	4.166	4. 264	3, 973	3, 343	5. 136 3. 779 2. 665 2. 858	3, 779	2, 665	2,858	3.973	3, 585
Total percentage in each period of life under 5 years to total mortality.	2. 496	2, 049	3, 415	2. 850	2, 496 2, 049 3, 415 2, 850 1, 531 1, 766	1. 766	2.026	2.072	1.931	1. 625		2, 496 1, 837 1, 295 1, 390	1, 295		1.931	1.743

	REGISTE	Registered for the Twelve Months ending September 30, 1876.	Registered for the Twelve Months ending September 30, 1876.	A ELVE A	,	ENDING	SEL EMB	, , ,					10.00			
	E	otal und	Total under I year.		Ť	rom I t	From I to 2 years.		Fre	From 2 to 3 years.	years		Fro	From 5 to 4 years.	- yea	oř.
Canse of death.	W.		Ç.		1	W.	ວິ		=	W.	C.		W.			
	M.	Ŧ.	M.	F.	M.	Ξ.	M.	F.	M.	돈	M.	F.	M.	E.	M.	F.
CLASS V.—VIOLENT.																
Suffocation, (asphyxia). Infanticide.	-	6		- ::												
Total violent deaths	50	1-	35	15		-		-	31	-	31	-				-
Percentage to total mortality under 5 years	242	. 339	. 007	1227		.048		. 018	. 097	640	760.	0.				049
Percentage to total mortality, all causes	=======================================	. 165	. 047	. 353		. 084	:	. 054	.047	. 0.23	710.	.033				. 024
Total mortality under 5 years	308	300	617	361	ž	£	117	136	31	100	9	2	=	9	9	25
Total percentage in each period of life under { 5 years to total mortality under 5 years. }	14, 923	14, 050	20, 300 17, 490	17, 490	4.263	4, 167	5, 669	6, 105	1,50%	1, 502 1, 30× 2, 1×0 2, 374	₹.	374	628	. 678 . 775	. 969 1. 163	1.163
Total percentage in each period of life under \ 5 years to total mortality.	7, 254 6, 830 9, 868 8, 502 2, 072 2, 025	6,830	9. 3.	8,503	2, 073	2. (%)	2, 736	99.06	. 730	. 636	. 636 1, 060 1, 154 , 330 , 377 , 471	1.154	.330	.377	171	365

MORTALITY OF CHILDREN UNDER FIVE YEARS OF AGE, FROM ALL CAUSES, IN THE DISTRICT OF COLUMBIA, TABLE No. N.-Continued.

Cause of death. W. M.									
W.	From 4 to 5 years.	rs.		Total und	Total under 5 years.			Percentage Percent.	Percent.
M.		ü	П	W.	C.		Total.	total mortal-	cause to
	F. M.	E.	M.	ञ	M.	F.		years of age.	tality.
CLASS V.—VIOLENT.									
Suffocation, (asphyxia)				3		- 8	61.9	. 291	. 047
Total violent deaths			1 8	6	4	19	40		
Percentage to total mortality under 5 years	048		9 .387	. 436	194	. 921		1.938	
Percentage to total mortality, all causes		023	189	. 212	. 094	. 447			. 942
Total mortality under 5 years	13	6 1	.3 452	432	209	573	2, 064		
Total percentage in each period of life under \$ 533	. 630	.291 .630	0 21.899	20, 930	29, 409	27. 762	27. 762	100.	
Total percentage in each period of life under \} 5 years to total mortality.	.306	. 141	10.645	10.174	14, 296			13. 495	48. 610

DEATHS FROM PHTHISIS PULMONALIS, BY MONTHS, SHOWING NATIVITY, COLOR, AGE, SEX, AND DURATION OF RESIDENCE IN THE DISTRICT OF COLUMBIA—PERCENTAGES. TABLE No. XI.

					NAT	NATIVITY.					
	Distric	t of Co	District of Columbia.	Other	Other parts of the United States.	he Unite	d States.		Fore	Foreign.	
	*		c.		W.		c.	=	W.	၁	
	M.	2	M. F.	M.	E	M.	F.	M.	E.	M.	F.
1875. October - Navander - Decemb	- 21 m	: :	- :-	444	2.40	1- 31 3-	i z o	400	G1 — G1		
January January February April April May	x o o o o o o	0 t0 4 4 t+ 0	-9-3	51 x to co - t-	(- (- 10 a) 10 ia		ಆ≌ಅನ್ಷ≈	∞ ಈ t− co to o≀	m 01 01 m		
July Variant September	: -01m	70	70113	· 0 · m	5. 7 % 15. 61 =	2.5			21 63		
Total by sex in each period of life	<u>x</u>	7	8	34 60	12	97	135	57	65		
Total by color in each period of life.	3,		57		135		233		139		
Total mortality from this disease in each period of life		149		Щ	65	367				62	
Percentage by sex in each period of life to mortality from this disease	2,067 7.	7, 395 3, 866	66 5,714	10.054	12, 605	16, 303		22, 690 9, 580 3, 691	3. 691		
Percentage by color in each period of life to mortality from this disease	15, 462	21	9, 580	Ğ.	6-9 7	8	38, 993	13,	13, 276		
Percentage of mortality in each period of life to mortality from this disease		25, 042	~		19	61. 682			13	13. 276	
Percentage by sex in each period of life to total mortality	1, 130 1, 037		.542 .800	0 1.413	1.766	2 284		3, 150 1, 343	.518		
Percentage by color in each period of life to total mortality	2, 167		1.342		3, 179	13	5, 464	-	1. 761		
Porcentage of mortality from this disease in each period of life to total mortality		3, 509			oc	8, 643			1.	1.861	

DEATHS FROM PHTHISIS PULMONALIS, BY MONTHS, SHOWING NATIVITY, COLOR, AGE, SEX, AND DURATION OF RESIDENCE IN THE DISTRICT OF COLUMBIA—PERCENTAGES. TABLE No. NI-Continued.

							ıl.	14	rom 5 to	From 5 to 10 years.	ń
		White.			Colored.		itot bu		W.	, ü	
	M.	F.	Total.	M.	F.	Total.	Gran	M.	F.	M.	F.
1875. November December	15 8	11 10	25.53 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1.85	x 22 OI	13 13	27	50				
1876. January Rebruary Rebruary April April And And May Lune July September September	25 117 119 10 10 11	1720 1713	482888833	66 19 16 19 19 19 19 19 19 19 19 19 19 19 19 19	11 13 13 13 14 11 14 16 16 17	11. 12. 13. 14. 14. 14. 14. 14. 14. 14. 14. 14. 14	8866842784			01	Ct
Total by sex in each period of life	165	141	306	120	169	586	595	-		9	2
Total by color in each period of life		306			589				1	13	_
Total mortality from this disease in each period of lifo										11	
Percentage by sex in each period of life to mortality from this disease	27. 731	23.697		20.168	28, 404			.168		1.008	1.177
Percentage by color in each period of life to mortality from this disease		51.428			48.572				.168	2. 185	85
Percentage of mortality in each period of life to mortality from this disease	1								ci	2, 353	
Percentage by sex in each period of life to total mortality								.024		. 141	.165
Percentage by color in each period of life to total mortality	3.886	3, 321		2. 826	3,980				. 034	, s.	306
Percentage of mortality from this disease in each period of life to total mortality.		7, 206			6.806		14.013			330	

	10 to 1	10 to 15 years.	15 to	15 to 20 years.			20 to 25 years.	years.	
	W.	ప	W.		c.	1	W.	2	
	M. F.	М. F.	M. F.	M.	F.	M.	포	M.	~
October 18-75. December 78-75.		- 1-		61 -	- 3113	m-	es €\$	61 :D	G\$ 38 20
1876. January Rebranary March	m-		G!		m =  m	G1 G1 =-	- ct	- m : r	01 tt 4 ft
May Juleo July Angaist	63				10 to 10 to 10 ct	28 <del>17</del> ← 28	w 21	3 31 17 31	- 30 10 10 10
Fotal by sex in each period of life.	3 6	7	9	9 13	30	<u>L</u>	=	35	8
Total by color in each period of life	6	1.5	15	-	\$	3.7	~1	25	
Total mortality from this disease in each period of life	2			25			62		
Percentage by sex in each period of life to mortality from this disease	. 505 1. 008	672 1.345	1,008 1,513	3 9, 185	5, 042	3.002	2,353	3.698	5.885
Percentage by color in each period of life to mortality from this disease	1,513	5.00.5	2, 521	- 2	1. 227	5,378	38	9, 5e0	0
Percentage of mortality in each period of life to mortality from this disease	3, 530	01	0.	9, 748			14, 958	58	
Percentage by sex in each period of life to total mortality	. 071 . 141	.094 .189	. 141	300 5	.707	72	.330	.518	<b>2</b> .
Percentage by color in each period of life to total mortality	. 212	. 283	.353	1.0	1.013	154	-	1.342	
Percentage of mortality from this disease in each period of life to total mortality.	. 495	15		1.366			2, 096	9.6	Ī

					AGE (	AGE OF DECEDENTS.	ENTS.					
	31	25 to 30 years.	years.			30 to 3	30 to 35 years.		234	35 to 40 years.	years.	
	W.		5			W.		c.		W.		
	M.	표.	M.	F.	M.	F.	M.	F.	M.	¥.	M.	포.
October November Documber	7 ,	1	≎1 -	e : 0	GS -	10 05 +	GS.	G\$ G\$	- 03	<b>'</b> !!	i	70 cs +
December	-	0	•	2	-	-			:	:	:	-
y. ury	-C-1		77	G\$ G\$	4 4	- 22	1	1	8	C5 4	9	G₹
March April		GI +	— C₹ -	G≷ — (	4.10:	G1 m ⋅	· en (	o≀ — '	<b></b> ≎₹ (		-	
niay June June	4	- 4° €	<del></del>	3 - 4	ממ	1 :6	21 G1 -	37	24 05	. 63 -	- 03	- 60
August September	-	-		.00	- 22	₹ G₹			c,		C.S	4
Total by sex in each period of life.	25	16	120	27	30	35	13	1	15	19	13	150
Total by color in each period of life	41		45	10		52		27		34	34	
Total mortality from this disease in each period of life		98				[-	19			89		
Percentage by sex in each period of life to mortality from this disease	4. 202	2. 689	3, 025	4, 538	5,042	3, 697	2. 185	2, 353	2, 521 3, 193		2, 185 3, 530	530
Percentage by color in each period of life to mortality from this disease	6.891	1	7, 563	22	œ	8, 739	4.	4, 538	7.0	5.714	5, 715	10
Percentage of mortality in each period of life to mortality from this disease		14, 454	154			13.	13. 277			11. 429	651	
Percentage by sex in each period of life to total mortality	. 589	. 377	. 424	. 635	. 707	. 518	.306	. 330	.353	.353 .448	.306   .494	494
Percentage by color in each period of life to total mortality	996.	90	1,059	59	1.	1. 225		989	-	.801	. 800	0
Percentage of montality from this disease in each neriod of life to total mortality.		0 005	100									

-Continued. NATIVITY, JMBIA—PE	TABLE No. HONTHS, SHOWE. DISTRICT OF C.	CMONALIS, BY A	I PHTHISIS PUI	DEATHS FROM
OLOR, AGE, SEX, AND DURATIO CENTAGES.	Continued. NATIVITY, COLOR, AGE, SEX, A JMBIA—PERCENTAGES.	vo. XI—Continued. TING NATIVITY, COLOR, AGE, SEX, A COLUMBIA—PERCENTAGES.	Continued. NATIVITY, COLOR, AGE, SEX, A JMBIA—PERCENTAGES.	TABLE No. XI-Continued.  I PHTHISIS PULMONALIS, BY MONTHS, SHOWING NATIVITY, COLOR, AGE, SEX, A IN THE DISTRICT OF COLUMBIA—PERCENTAGES.
OLOR, AGE, SEX, CENTAGES.	-Continued. NATIVITY, JMBIA—PE	To XI—Continued.  TNG NATIVITY, COLUMBIA—PE	To XI—Continued.  TNG NATIVITY, COLUMBIA—PE	TABLE No. XI—Continued. I PHTHISIS PULMOXALIS, BY MONTHS, SHOWING NATIVITY, IN THE DISTRICT OF COLUMBIA—PE
	-Continued. NATIVITY, JMBIA—PE	To XI—Continued.  TNG NATIVITY, COLUMBIA—PE	To XI—Continued.  TNG NATIVITY, COLUMBIA—PE	TABLE No. XI—Continued. I PHTHISIS PULMOXALIS, BY MONTHS, SHOWING NATIVITY, IN THE DISTRICT OF COLUMBIA—PE

			AGE OF DECEDENTS.	DENTS.				
	40 to 45 years.	years.	45 to 5	45 to 50 years.	20	to 55	50 to 55 years.	
	W.	· 0	W.	.c.	W.			
	M. F.	M. F.	M. F.	M. F.	M.	F.	M. 1	골.
October 1875. November December	35 35 17	- 3	L 01		- 31	:		:
January 1876. February March April	4.55.55 W		W 03 03		3 : : : : : :		- Ct	1111
Anay Anay August	33		 		- 01 -		G.	-  -
Total by sex in each period of life	16 15	9	15 7	(-	5 11	9	9	7
Total by color in each period of life	31	11	66	15	17	-	10	1
Total mortality from this disease in each period of life	5		3	34		21	27	
Percentage by sex in each period of life to mortality from this disease	2, 689 2, 591	1.345 1.008	2, 521 1, 176	1, 176 . 841		1.008	1. 549 1. 008 1. 009 . 672	22
Percentage by color in each period of life to mortality from this disease	5, 210	2,353	3, 697	2.917	2.857	13	1.681	
Percentage of mortality in each period of life to mortality from this disease	7, 503	13	5.3	5, 714		4. 538	20	
Percentage by sex in each period of life to total mortality	. 377	141. 681.	.353 .165	.165		141	. 259 . 141 . 142 . 094	7
Percentage by color in each period of life to total mortality	. 730	.330	.518	. 283	. 403	2	. 236	
Percentage of mortality from this disease in each period of life to total mortality	1.060	09	108.	-		. 636		

TABLE No. XI-Continued.

			AGE	AGE OF DECEDENTS.	DENTS.				
	55 to 60 years.	) years.		60 to 65 years.	years.		65	65 to 70 years.	years
	W.	Ü	W.				W.		
	M. F.	M. F.	M.	F.	M.	H	M.	표.	M.
1875. Vovember December	es es = 1	63 1							
January 1876. January 1876. Mounty 1876.	ಣ ಛ	1 1	•   [					e :	
And United States of the State				-	-	1			-
dume- dume- duly- sorganiser	1	63		-			-		
Total by sex in each period of life	12 9	9	3	4	-	1 8	4	1 2	63
Total by color in each period of life	21	13	7		4		=		
Total mortality from this disease in each period of life	8	34		11				14	
Percentage by sex in each period of life to mortality from this disease	2.017 1.512	1,008 1,177	. 504	. 673	. 168	. 504	. 672 1.177		.336 .168
Percentage by color in each period of life to mortality from this disease	3, 529	2. 185	1.177	12	.6	672	1,849	-	. 504
Percentage of mortality in each period of life to mortality from this discase		5, 714		1,849	49			2, 353	3
Percentage by sex in each period of life to total mortality	. 283	.141 .165	170.	.094	. 024	070.	.094 .165		.047 .024
Percentage by color in each period of life to total mortality	. 495	. 306	.165	55	. 094	4	. 259	-	.071
Percentage of mortality from this disease in each period of life to total mortality									

TABLE No. XI—Continued.	ATHS FROM PHTHISIS PULMONALIS, BY MONTHS, SHOWING NATIVITY, COLOR, AGE, SEX, AND DURATION OF RESIDEN IN THE DISTRICT OF COLUMBIA—PERCENTAGES.
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				AGE OF DECEDENTS.	DECE	ENTS.				
	70 to	70 to 75 years.	ı.	75	to S.	75 to S0 years.		ž	SO to S5 years.	years.
	W.	_	:	W.				W.	-	C.
	M. F.	M.	표	M.	표	M.	E.	M.	F.	M. F.
Detuber October December					-					
January 1876. Antuary 1876.	-			-					-	
March " April April Juny Juny Juny Angreta	-    -			-				-		
September Total by sex in each period of life	8	-		G1	G\$			-	-	
Total by color in each period of life	(-	L	-	7				€\$		-
Fotal mortality from this disease in each period of life		z			4				က	
Percentage by sox in each period of life to mortality from this disease	. 504 . 672	. 168		. 336	. 336			.168 .168	.168	
Percentage by color in each period of life to mortality from this disease	1.176		.168	. 672				. 336	9	.168
Percentage of mortality in each period of life to mortality from this disease		1.344			. 679	21			. 504	
Percentage by sex in each period of life to total mortality	. 071	4 .023		. 047	.047			.024 .023	. 023	
Percentage by color in each period of life to total mortality	. 165		.033	. 094				. 047	1 2	. 023
Percentage of mortality from this disease in each period of life to total mortality.		200			0.04	7			000	

TABLE No. XI-Continued.

			DURAT	DURATION OF RESIDENCE.	Е.	
	Under	Under 1 month.	1 to 4	I to I months.	to t	to S months.
	111.	c.	W.	c.	W.	ప
	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.
October December December						-
				, 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
January Pebruary Kacak	- :	1		31		
April April May						1
9 10 10 10 10 10 10 10 10 10 10 10 10 10	- ! !		- : : -			1
Total by sex in each period of life	4	2 2		25	63	63
Total by color in each period of life	9	8	9	13	4	G2
Total mortality from this disease in each period of life		6		11		9
Percentage by sex in each period of life to mortality from this disease	. 673 . 336	.336 .168	. 672 . 336	. 336 . 505	. 336 . 336	.336
Percentage by color in each period of life to mortality from this disease	1.009	. 504	1.008	. 841	679	. 236
Percentage of mortality in each period of life to mortality from this disease	1	1.513		1.849	-	1.008
Percentage by sex in each period of life to total mortality	.094 .047	.047 .024	.094 .047	. 047	. 047	
Percentage by color in each period of life to total mortality	.141	170.	.141	.118	. 094	. 047
Percentage of mortality from this disease in each period of life to total mortality.		91-9		950		141

			DURA	DURATION OF RESIDENCE.	SIDENCE.				
	S to 12	S to 12 months.	Total u	Total under 1 year.	ar.		I to 2 years.	ars.	
	.M.	c.	W.		c.	W.		c.	
	M. F.	M. F.	M. F.	M.	F.	M.	표	M.	F.
October 1875. November						1 :			
December.			-		-			G₹	
January Veorinary Veorinary	3	1	-7-	1	1		: ::	-	
A pril. May	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1		? - :	:	G₹	
omine Diny Sylvament			23 27		::-:				64
Total by sex in each period of life	7	1 00	14	-1	9	1-	-7	1-	60
Total by color in each period of life	7	n	07		13	=		10	
Total mortality from this disease in each period of life	7			33			12		
Percentage by sex in each period of life to mortality from this disease	.679	. 168 . 336	2.353 1.008	1.177	1.008	1.177	.673	1.177	. 504
Percentage by color in each period of life to mortality from this disease	.673	. 504	3.361	o.	2, 185	1. 549		1.681	
Percentage of mortality in each period of life to mortality from this disease	1.176	9.5	2	5. 546			3, 530		
Percentage by sex in each period of life to total mortality.	160	. 024 . 017	.330 .141	.165	.141	. 165	1.00	.165	. 071
Percentage by color in each period of life to total mortality	. 094	. 071	. 421	6.	306	. 259		. 236	
Percentage of mortality from this disease in each morial of life to total mortality					-				Section Comments

DEATHS FROM PHTHISIS PULMONALIS, BY MONTHS, SHOWING NATIVITY, COLOR, AGE, SEX, AND DURATION OF RESIDENCE TABLE No. XI-Continued.

				DURATION OF RESIDENCE.	OF RESI	ENCE.				
	\$ to 3.	2 to 3 years.		**	3 to 4 years.	ears.		4	4 to 5 years.	eats.
	W.	C.		II.				W.		c,
	м. F.	M.	F.	M.	F.	M.	F.	M.	1	М. F.
1875. November		- :-	m :	-	-		G\$			
January February March April May July All May August Angel Agree A	1 8 1 1 1	- 67						∞ ⊶		
Total by sex in each period of life.	7	123	00	7	8	3	13	4	3	C.
Total by color in each period of life.	00	13	_	ş		20		9		=
Total mortality from this disease in each period of life		16			12				17	
Percentage by sex in each period of life to mortality from this disease	1.177 .168		.840 1.345	. 672	. 504	. 404	. 841	. 672	. 336	.672 .336 .336 1.514
Percentage by color in each period of life to mortality from this disease	1. 445	2.185	85	1.176	9	1.345	12	1.008	20	1.850
Percentage of mortality in each period of life to mortality from this disease		3, 530			2, 521	=			2, 853	m
Percentage by sex in each period of life to total mortality	. 165 . 024	.118	. 188	. 094	120.	129.	.118	160.	.047 .047	047 .212
Percentage by color in each period of life to total mortality	. 189	8.	306	. 165	10	. 188	00	. 141	_	. 259
name of most ality from this disease in each neriod of life to total mortality		405			252				400	

			DURATION OF RESIDENCE.	NOF RES	SIDENCE.				
	5 to 10	5 to 10 years.		0 to 20	10 to 20 years.		30	20 to 30 years.	years.
	W.	c.	W.		c.		W.		5
	М. F.	M. F.	M.	F.	М. 1	F.	M.	F.	M.
1875. October 1875. Oceanber 6	m	G\$ G\$ G\$	4 to to −	e-	<b>→</b> 34	— <b>=</b> = =	C1 4 C1	13 03 44	- : :
1876.									
January February March April A	D 21 4 21 - D 21 - D	m 98 98 m 08 98 m ; #	CON-C-T :01-	- 31 9 31 9 - m 10 m	t- 01 m m to t- m +	m 4 m ∞ − 1- m □ 31 ;	(-0.0) a a b	01 10 10 10 10 10	0101
Total by sex in each period of life	25	4 12	49 33	8	40	1 T	33	97	6
Total by color in each period of life	7	3.6	99		T.		59		. 31
Total mortality from this disease in each period of life	4	120		154	-			ī	
Percentage by sex in each period of life to mortality from this disease	3, 865 3, 529	4, 538 8, 235	5 5.546	5, 546	6, 733 8,	067 3,	8,067 5,546 4,370 1,512 2,185	370 1.	515
Percentage by color in each period of life to mortality from this disease	7, 395	12,773	11.092	27	14, 790		9, 916	1	3, 697
Percentage of mortality in each period of life to mortality from this disease	20. 168	63		25, 882	?* %			13, 613	_
Percentage by sex in each period of life to total mortality	. 542 . 494	. 636 1. 154		.111	.942 1.	1.131	1111.	. 613	. 212 . 306
Percentage by color in each period of life to total mortality	1,036	1.790	1.554	-	2.073	1	1.390	Ē	. 518
Percentage of mortality from this disease in each period of life to total mortality	20.1.20	96		3, 627	2.2			1.908	

TABLE No. XI-Continued.

DEATHS FROM PHTHISIS PULMONALIS, BY MONTHS, SHOWING NATIVITY, COLOR, AGE, SEX, AND DURATION OF RESIDENCE IN THE DISTRICT OF COLUMBIA—FERCENTAGES.

			DURATION OF RESIDENCE.	RESIDENCE				
	30 to 40 years.	years.	40 ts	40 to 50 years.		20	50 to 60 years.	years.
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1876. January February		1	67 []	8	1		G\$	
April April May Muse June June	24 22 22 23 24 25 22 22 23	3	- F	- ie is			: :-	
August September	2 2 2	1 1				- :		-
Total by sex in each period of life.	17 18	7 11	6	13 23	3	2	5	20
Total by color in each period of life	35	13%	85		5	10		23
Total mortality from this disease in each period of life	28			2.5			15	
Percentage by sex in each period of life to mortality from this disease	2, 857 3, 025	1, 176 1, 849	1.513 2.185	85 .336	. 504	. 840 . 841	841	.504 .336
Percentage by color in each period of life to mortality from this disease	5, 862	3.025	3.69€	1	. 840	1.681	18	. 840
Percentage of mortality in each period of life to mortality from this disease	8, 907	07		4, 538			9, 521	-
Percentage by sex in each period of life to total mortality	. 400	. 165 . 259	. 212	.306 .017	170.		. 118	.118 .070 .047
Percentage by color in each period of life to total mortality	. 8:34	. 424	.518		.118	. 236	:2	. 117
Percentage of mortality from this disease in each period of life to total mortality	1.2	1,248		. 636			. 353	

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	TABLE No. XI-Continued.	JS, BY MONTHS, SHOWING NATIVITY, COLOR, AGE, IN THE DISTRICT OF COLUMBIA—PERCENTAGES.	
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		DEATHS FROM PHTHISIS PULMONALIS, BY MONTHS, SHOWING NATIVITY, COLOR, AGE, SEX, AND DURATION OF RESIDEN IN THE DISTRICT OF COLUMBIA—PERCENTAGES.	
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			1.10	DURATION OF RESIDENCE.	F RESIDI	SNC15.		T. L.	PERCENTAGE -	AGE—
		60 to	60 to 70 years.			Unkı	Unknown.			
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September					-	-		1 6.	6. 291	996
Total by sex in each period of life	31	m .		-	r- 2	9	z ŝ	=		
Total mortality from this disease in each period of life.		- 9					25	190.		14. 013
Percentage by sex in each period of life to mortality from this disease	. 336	1.504	Ī	. 165	1.177	1.177 1.008	1.314 1.849	19		
Percentage by color in each period of life to mortality from this disease	0.F.E.	10	. 168		27	12	3, 193			
Percentage of mortality in each period of life to mortality from this disease		1.00×	×0.			5, 33%	T.		•	
Percentage by sex in each period of life to total mortality	.047	020.	:	100.	. 165	.141	<u>8</u>	. 259		
Percentage by color in each period of life to total mortality	. 117	1-	. 024		300	ę.	**			
Percentage of mortality from this disease in each period of life to total mortality		. 141	11			154	-			14.013

TABLE No. NII.

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TABLE No. XII-Continued.

SHOWING DAILY MORTALITY IN THE DISTRICT OF COLUMBIA, BY COLOR AND SEX.

REGISTERED FOR THE TWELVE MONTHS ENDING SEPTEMBER 30, 1576.

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	ᅜ		118
W.	N.	04 4 64 15 4 50 00 00 00 00 00 00 00 00 00 00 00 00	135
Date	Date.	June 1676. 1 1976. 1 1	

## 6.—REPORT OF ATTORNEY.

Washington, D. C., September 30, 1876.

SIR: The following report of cases referred to, and legal business transacted by, the attorney for the board of health for the year ending September 30, 1876, is respectfully submited:

Number of cases referred to the attorney for prosecution in the courts of the district	
Number of appeals taken to circuit court	
Amount of fine imposed by the court \$23 00 Amount of collateral forfeited 35 00	
Total 273 00  Number of cases in which fines were remitted by the court by consent of the board on account of poverty, &c., of defendants. 13  Number of cases in which judgment on conviction was that defendant give bonds to abate nuisance 10	

Of the 138 cases referred to the attorney for prosecution in the courts, 120 were cases of nuisances of various kinds, and of more or less serious nature, in which there had been neglect and failure to abate after notice duly served by the board. In a considerable proportion of these cases, the delinquents, after service of process, have obtained further time, and a suspension of proceedings to allow an abatement of the nuisance complained of; and these cases have subsequently been discontinued, the nuisances being abated to the satisfaction of the health-officer.

In many cases, also, defendants, upon pleading guilty, or being convicted of the offense, have been ordered by the courts, under bonds, to abate nuisance within a specified time, usually short. In several cases, when the offense consisted of a single act of nuisance committed, the court, in consideration of the poverty of the defendant, and at the instance of the board of health, remitted the fine imposed.

Ten of the cases prosecuted during the year were referred by the registrar of vital statistics for violation of the rules and regulations of the board concerning the subject of vital statistics. In all cases brought before the courts, the rules and regulations with regard to this subject

have been sustained and enforced.

Of the remaining cases, only one was for violation of the pound regulations, and seven for infraction of the ordinances of the board to prevent the sale of unwholesome food. The number of cases of either of these classes has very sensibly diminished within the last two years. This is believed to be due largely to the vigorous enforcement of the law and the ordinances of the board, and to the growth of more enlightened views and a more just appreciation of the evils inflicted by this class of offenses upon the community.

Up to July 30, 1876, when the law of Congress requiring the attorney to be selected by the board from its own membership took effect, the legal affairs of the board were conducted by Mr. H. D. Beam, late

attorney, &c., under the direction and supervision of the committee on ordinances. I do but simple justice to Mr. Beam when I state that, in his relations to the board as its attorney, he has conducted its legal affairs with ability and efficiency, and to the satisfaction of all concerned.

It is made the duty of the board of health to declare what shall be deemed nuisances injurious to health, and to provide for their removal; to make and enforce regulations to prevent domestic animals from running at large in the cities of Washington and Georgetown; to prevent the sale of unwholesome food in said cities; and to make and enforce regulations to secure a full and correct record of vital statistics, including the registration of deaths and the interment of the dead in the District of Columbia. These duties are enjoined by law of Congress.

Other duties, having to do with the sanitary service of the District, have been imposed either by the late legislative assembly of the District or the honorable commissioners. In all cases in which regulations have been made, and their enforcement attempted by the board, as enjoined by law, the board has been sustained with singular uniformity

by the courts.

This report, as well as others previously made by your attorney, de-

monstrates the correctness of this statement.

It must be cause of special gratification to the board that its regulations, whether they have to do with nuisances, the prevention of domestic animals from running at large in the cities named, the prevention of the sale of unwholesome food, the enforcement of regulations with regard to vital statistics, or any other subject coming within its authority, have been maintained in the courts, as indicated, and accepted by the community as reasonable, their enforcement conducing to the general good.

JOHN M. LANGSTON, Attorney Board of Health.

Dr. T. S. VERDI,

President Board of Health.

# 7.—REPORT OF HEALTH-OFFICER, WITH ACCOMPANYING PAPERS.

SIR: I have the honor to present herewith tabular statements of the operations of the departments under my charge for the year ending September 30, 1876, together with the reports of the medical sanitary inspector and the inspector of marine products, all of which bear sure testimony to the vigilance and efficiency of the employés, the value of their labors, and the intimate relationship of our service to the highest interests of the community.

Very respectfully, your obedient servant,

P. T. KEENE, M. D., Health-Officer.

Tullio S. Verdi, M. D., President Board of Health District of Columbia.

Consolidated report of nuisances for the year ending September 30, 1876.

REPORT	OF	THE	ВО	ARD	OF	HI
.lato.T	308	1, 983	1,566	1, 619 2, 530 2, 219 515	1, 741	20, 261
Water-closets.	-2		32%	% : <u>21 ⊆</u>	51	. 061
Vaults, privy.	10 31	:	<del>-</del> ; ;	: 93 ex -	25 :	339
Yards, cow,	25 25	E :	3 E :	3792	5.8	1.37
Lards.	314	016	323	######################################	197	2, 610
Traps, sewer.	3.5	Ξ :	743	5 A = 3	29.92	2 15
Shells, oyster,	::			3₹ : 1 :	- 1	=_
Streets, filthy.	= 2	,	922	7 S 2 2	0.4-	Ē
Stables.	56	= = 3	18 E	2222	48	203
Sewera, house-connection.	130	101	9 = 8	2 6 6 2 E	50.57	1,641
Sewers, public.	30	8	. T	85 2 2	28	101
Privies, dilapidated.	47.7	8	195	7222	8 5	924
Privy-boxes, leaky.	12.17	3	3 9 19	97 <u>5</u> 3	95	-30
Privies, full.	10 m	789	347	# # # # # # # # # # # # # # # # #	395 453	5, 53*
Privies, tilthy.	203	96	333	3313	155	2, 0.23
Ponds, stagnant.	22	= :	23 ± 10	1-1010 01	(- 7	91
Pipes burst, water.	C3 12	- '	n @1	- m m ar	25.25	23
Lumba.	es -	Q1	25 16-	- :	- ==	~ ·
Miscellaneous.	20 3	8	8413	15 5 6 6	36.	305
Markets, public.	-		- : :	:- : :	: 00	9
Manure.	28	5 3	248	1	85	356
Lots, filthy,	± ± ±	9 :	197	888°	77	108
Hydrants.	20	w w	- 00	35 m. ; 35	n :	20
Houses, no privy.	10	o	n : :	T 1-1-	a x	9
Houses, slaughter.		-	31.31	- 00-	ic	77
Houses condemned.	28 5	8	257	3, <u>2</u> = =	33	371
Houses, filthy.	50 00	2 :	# # # #	458×	20 13	737
Hog-pens.	Ø\$ 22	m		31 21 31 52	£ 35	65
Garbage,	3	<u>-</u>	37.5	1 8 K 7	5 20	345
Gutters.	5.53	33	311	848°	17 33	353
Excavations.	00			-	-10	19
Cellars.	13	= '	7	31229	9 31	621
Areas.	9 9	- ;	= ~ x	m 12 (= m	12	20
Alleys.	82	22	7 = 33	2723	50	997
Months.	1F75. October	December	January February March	April May June	August September	Total

By the above table it appears that the number of nuisances reported and abated falls short of the number aggregated in my last annual report some four thousand, which may be attributed in great measure to the fact that since July 1, 1876, only one-half the former number of inspectors have been employed, owing to the failure of Congress to appropriate sufficiently to sustain a requisite sanitary force. Although some of the most active and efficient inspectors were retained, the utter impossibility of so few men covering so large a territory in this service became apparent. Where localities were, last year, visited and cleaned once a month, now, often, three months elapse before the careless or negligent are called to account by the inspecting officer; and, surprising as it may seem, there are hundreds of premises in this District that might remain from year to year accumulating deposits of all manner of uncleanness—sources of zymotic poison to all the surrounding neighborhood-did not the law declare such neglect a crime, and send officials to instruct, notify, or punish by fine and imprisonmentall who so offend. This service, with the present number of employés, can only be performed once in three months. Filth therefore remains often two months untouched, and disease, unmistakably, results. Still, there are not wanting many who count our service a bloated gormandizer of public funds, presuming to act in meddlesome interference with private rights, viz, the right of a man to continue to nonrish and sustain on his premises, indefinitely, a recking, offensive nuisance, to the common discomfort and danger of the community.

We come with expert experience and knowledge to teach the ignorant or careless how hazardous to the health and life of their families are these nuisances, and how they may protect themselves by abating them. And we go away branded as nuisances ourselves, and given to understand that the less frequent and shorter our visits, the more agreeable Were we not aware of many brilliant exceptions to the to our hosts. rule, and many intelligent, earnest advocates of sanitary regulations and enforcement, we might, indeed, despair of accomplishing that great good to which our daily experience and study point out the way as clearly as the snn at noon day. And as results force themselves upon the attention of the individuals concerned, beams are cast out and motes more clearly seen. We who love the noble work hope and believe it will stand where it belongs, second to none of the vital interests of communities. And not until then may we expect to receive at the hands of legislators, representatives of the people, that substantial indorsement and support

essential to success.

Although this reduction of the sanitary force has had the direct effect of allowing insanitary conditions to remain a longer time on premises and lots, in alleys, streets, &e., there has, nevertheless, been unusual activity and effectual application of means to abatement among the inspectors retained, as the various items will demonstrate.

Alleys, streets, and gutters have not been as often cleaned, and have consequently been in much more filthy condition than last year. This, we are informed, has been the unavoidable consequence of a lack of funds to pay such service—a melancholy fact, which, we trust, will

never again be true of our District.

Of filthy houses, 424 have been reported. These were found in the alleys and low places, as were also 371 houses condemned as unfit for human habitation. Many of these have, through our notices, been cleaned, repaired, and rendered comparatively decent. In many parts of the city we find new blocks of houses and trim, neat little buildings of the humble class replacing the old, filthy, dilapidated shanties which

formerly disgraced them. This results from our persistent demands for better sanitary conditions. A large number still remain, and are ever-recurring cause of complaint. Of these, as of filthy lots and stagnant ponds, we often find the owners non-residents, which greatly complicates, sometimes defeats, our object.

Of stagnant ponds of water, 166 have been reported during the year, found generally in the southwestern and northeastern sections of Washington. Their abatement has been prompt, and inestimable benefits

have accrued to the neighborhood.

A large number (1,641) house sewer-connections have been ordered, and prompt compliance with our notices is the rule. There has been very little extension of the public sewers during the year, although many localities demand them as a sanitary measure, the soil being so saturated with rain and waste water as to greatly increase the prevalence of zymotic diseases.

Complaints of offensive water-closets, basins, &c., and the escape of sewer-gases in houses in the higher sections of the city, in consequence of the lack of Potomac water, have been frequent, although great improvement in that regard over last year is noticed. I trust that some permanent solution of this problem will soon be made, and families relieved from constant fear of fatal disease from this cause.

Consolidated report showing the condemnations of unwholesome food for the year ending September 30, 1576.

Miscellancons fruit and vege- tables, bushels.	- ; ;	6 118 118 238 119 368 123	1, 153
Pine-apples.	ī	25.4	09
Oranges and lemons, dozens,	7	8	506
Cocoanits.		200	200
Cherries, bushels,			316
Berries, quarts.		7.5	652
Cantaloupes.	Ŧ ; ;	4, 693 1, 650	6, 626
Mstermelons.	301	215 1, 084 1, 483	11, 083
Peaches and pears, bushels.	18: 46		159
Apples, bushels.	11 21 19	α 0, α 4 m = : : :	193
Rhinbarb, biniches.		111122	138
Каде, баттедь.		: :	30
Tomatees and turnips, bushels.	228	10 8 T	36
Egg-plants.	23.1	006	1,305
Сисипретз, дохеля,	150	5335	1,624
Corn, dozens.	25 E	65 501 226	1,032
Squashes and pumpkins.	11 562 493	236 60 13 13 1	1,075
Сарbаge and lettuce, heads.	66.8	1, 460 4, 455 263 1, 297 1, 297 1, 597 3, 418	15, 118
Radishes, bunches.	e : co		39
Onions, bushels.	13	:: 5: : : : : : :	183
Potatoes, bushels.	8 8 8	16 17 27 112 112	350
Cheese and butter, pounds.	111	:::::::::::::::::::::::::::::::::::::::	ã
Eggs, dozens.	68	1, 352 1, 352 315 315	2, 632
Poultry, pounds.	84 1,610 673	538 107 101 101 101 101	3, 270
Birds, rabbits, and squirrels.	147 397	001	670
Bacon, pork, and ham, pounds.	248 671 51	2, 442 526 1, 191 2, 136 1, 191 663 663 664 664 664 664	7,875
Mutton, pounds.	96 8	69 196 273 285 295 295 1771	2, 135
Veal, pounds.	192 243 92	122 66 58 279 279 235 235 235 161	2, 811
Beef, pounds.	349 507 461	1, 258 696 1, 762 1, 207 1, 207 343	9,396
Date.	1875. October November	1876. January February March April Max June June Angust September	Total

Value of above, when of wholesome quality, \$11,926.68.

Upon examination of this statement, we find that an aggregate of 22,217 pounds of meat, 3,940 pounds of game, &c., 2,632 dozen eggs, 5,000 bushels vegetables and fruits, and 17,709 melons were condemned during the year and disposed of by the inspectors of food, being removed as garbage or sent to the soap-factories, and in no instance has our anthority to condemn and seize been contested. In fact, this service has been received by the dealers with increasing favor. Consequently, our markets are, every month, improving in the quality of food offered for sale, and are acknowledged by hundreds of strangers visiting them during the past season, to be second in that respect to none in the country.

The reduction of the food inspection force to two men since July 1st, renders it impossible to attend to other than the markets, and the wharves where marine products are landed. The small markets greengroceries, &c., throughout the two cities, upon which a large portion of our people depend, which formerly were carefully inspected, must now be almost entirely neglected. But, by aiming to condemn the unwholesome supplies in bulk, in the hands of the commission-merchants, we

prevent much inferior quality from reaching the small dealers.

The annual report of the inspector of marine products, and a tabular statement herewith presented, is a valuable contribution to our knowledge of the supply of, and demand for, that variety of food at this market, and indicates the great value of this branch of the service, as well as the superior fitness of the officer specially charged with its onerons duties.

P. T. KEENE, M. D.,

Health Officer District of Columbia:

SIR: In presenting this my annual report for the year ending September 30, 1876, it is with pride and pleasure that I point to the vast improvement in the class of marine products offered in this market, and the sanitary reform produced among the dealers since the inauguration of the service in 1871. Formerly fish were brought up the Potomic in large numbers, regardless of the state of the market, the transportation generally being in open boats. Upon arrival here, they were thrown upon a wharf reeking with filth; exposed sometimes for hours in the sun, and then transferred to stands in the market and offered to the public in a condition totally unfit for food. When the inspection service was commenced, dealers at both wharves and markets were found loth to conform to the wholesome regulations imposed by the board of health, and every step looking to sanitary reform was hotly contested. Gradually, however, little by little, step by step, they came over. The public seeing the good resulting from our labors, it became apparent to the dealers that popular opinion as well as sanitary law demanded a change. Finding that it was to their own interest, they began cheerfully to respond, and to-day we find them urging every measure tending to the advancement of sanitary conditions. Instead of the repulsive, reeking. offensive stands of old, we have modern "refrigerators" and "ice-boxes," with all surroundings cleanly and attractive. The wharves, too, are kept in good condition, the majority of fish being brought on steamers packed in ice, and only removed in quantities sufficient for the demand.

The tabulated statement of inspections and condemnations, presented herewith, shows a slight decrease in both inspections and condemnations of scale-fish as compared with that of last year, and a small

advance in shell-fish.

Inspections and condemnations of marine products for the year ending September 30, 1876.

	.sdsr()		950 13, 100 13, 435 13, 435 4, 965	61,084
	Clams.		1, 900 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	69, 915
ź.	Oysters, bushels.	174	990 1, 775 1, 921 166 15 360 370	4, 759 6
Condennations.	Sturgeon.			25
Cone	Fish, bunches.	436 151 164	399 11. 27. 27. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	7.539
	Herring.		1,850	1.850
	Shad		ವ → ∞ ಪ	54
	.edga7.		10,000 21,850 20,175 50,175 46,425 47,433 81,445 34,390	316, 498
	Clams.		25, 000 22, 000 52, 325 60, 325 176, 175 192, 650 73, 000	704, 975
	Oysters, bushels.	40, 793 80, 941 65, 095	63, 740 45, 510 13, 550 1, 650 1, 694	355, 437
tions.	Sturgeon.	9	331 323 331 331	616
Inspections.	Ејзр' ривсрез.	31, 127 26, 856 19, 234	20, 87, 87, 87, 87, 87, 87, 87, 87, 87, 87	483, 111
	Herring.		31, 000 888, 950 563, 860 3, 200	1, 488, 950
	.stolisT		28, 100 19, 400	47, 500
	Shad.		29, 924 224, 608 64, 121 375	319, 079
	Date.	1875.	1876.	Total.
		October November December	January February March April May July July September	Total.

Value of above condemnations when of wholesome quality, \$6,601.70.

#### FISH.

The decrease of the shad and herring fishery of the Potomac during the past season has been of a most alarming character. Very few of the large seine-fisheries have continued throughout the season, a circumstance unprecedented in these waters. The "gill-nets" and "poundnets" have continued as usual, although with very meager results for their labor and investment.

The causes of the decrease have reference, without doubt, to the great amount of fishing done. Within a few years, the "gill-nets" especially have multiplied many times, not only among regular and occasional fishermen who have adapted themselves to this line of employment, but also by the arrival of large numbers of fishermen from other States, more particularly from the Susquehanna and Delaware Rivers. Many of these new arrivals have been very completely equipped with nets, boats, and other apparatus, and have rivaled the resident fishermen in captures and skillfulness in their profession. The waters of the Potomac are, without doubt, overfished. Very little of the water coming through the Potomac reaches the Chesapeake without passing through the meshes of numerous nets, and it will be seen that it is scarcely possible for fish to ascend the river without capture, especially when there is no interim; most of the nets being in active use at all times, both day and night.

This extensive use of nets is the most probable cause of the decrease in the supply of shad and herring, although conjectures have been made, as stated in my last report, that the season and effect of certain winds at the time of the migrations of the fish into the mouth of the Chesapeake Bay have had much to do with the absence of these varieties. Whether this is true or not is a difficult matter to indge. cold in the early spring is generally considered to retard the abundance of the fish, as shad seem to lie outside and await an increase in temperature before they begin their migrations freely. This has been noticed in all the rivers of the coasts. Continual rains have considerable influence on the daily movements of fish in the rivers. Heavy rains in the upper waters carry a large amount of fresh water down to the bay, somewhat inciting energy and vigor in the shad and herring, they moving up more rapidly and making longer distances at each time. The fishermen argue, in opposition to this theory, that very heavy rains force back the salt and brackish waters several miles, which has an influence to prevent the fish from making migrations high up the stream, as finding fresh water low down they are satisfied to stop and not move as far up as they otherwise would.

The "salt-water tailor," or "blue fish," has been quite abundant this season, taken off Chesapeake Bay and vicinity. This is one of the most savage species of fish on the Atlantic shores. It not only kills to eat, but, striking right and left in a school of more defenseless fish, mangles and wounds merely for sport. Whether the presence of this fish on the coast has anything to do with the absence of shad and herring, I am unable to say; the whole question of the causes of the decrease is an intricate one, and requires a great deal of observation and study. The most evident cause, however, seems to be the great overfishing of the waters of the river.

Once more I would call attention to the imperative necessity of legislation or congressional action looking to a remedy for this matter.

An article in Martin's Gazetteer of the District of Columbia and Virginia, published in 1835, enables a comparison of the present condition

of the fisheries with that of the date of publication. In a considerably shorter season than that of last year there were 22,500,000 shad and 750,000,000 herring taken in this river, and this exclusive of the rockfish, sturgeon, and other varieties. These statements are confirmed by

the older residents and fishermen on the Potomac.

The State of Maryland proposed a law during the early spring which, if it could be carried out and enforced, would soon solve this vexed problem of the decrease of fish. It provided for a limit of the general season; a weekly close between Saturday evening and Monday morning; a certain size of mesh to be used; licensing of all fishermen; the charging of a nominal price per square yard for seine, gill-net, horn-net, fykenet, &c., according to size of mesh; the appointment of fish-wardens and river-police; imposing of penalties for any and all infractions; prohibiting fishing in the vicinity of the mouths of tributaries, &c.

There is said to be an old compact antedating even the articles of confederation, which provides that any law or regulation relating to the waters of the Potomac, enacted by either Maryland or Virginia, must be confirmed by both States before it is valid. This compact involves legislation for the Potomac in some difficulty, but it is sincerely to be hoped that the two States may soon combine and enact some code of laws to regulate the fisheries. Certainly, unless some remedial means are soon employed, the immense business of fishing on the Potomac will

dwindle away to nothing.

### OYSTERS.

There was an increase of 49,700 bushels in receipts over that of the year previous; and a decrease of 669 bushels in condemnation. This may be accounted for by the fact that an open winter prevented their freezing to any great extent, and, small prices prevailing, cargoes were

quickly disposed of.

There is one, and only one, channel through which the public can have unsound oysters thrust upon them, and to this matter the special attention of the health-officer is respectfully invited. There are at the present time several hundred men employed in the business of hawking oysters through the streets in buckets. These men buy the cheapest oysters which can be procured, shuck them in the afternoon, and start on their journey through the streets next morning; selling probably one-half of them, they renew the quantity, and continue on the day following. This is kept up from day to day, the oysters rarely being more than half fresh, and often totally unfit for food. These men having no place of business at which their stock can be examined, it is impossible for the inspector to prevent the sale of such oysters. Complaints are frequent against them, and I would urge some action at an early date looking to a remedy.

There has been no material change in the inspection or condemnations of other shell-fish. The tabulated statement will, I trust, make a satisfactory exhibit of my labors for the year. My duties grow more pleasant as the service grows to perfection, and I sincerely hope the confidence enjoyed during the past I may continue in the future to deserve.

Very respectfully,

C. LUDINGTON, Inspector Marine Products.

Statement of offal and dead animals removed during the year ending September 30, 1876.

Months.	Garbage.	Night-soil.	Dead animals.
1875.	Tons.	Barrels.	
October	282	4, 143	481
November	152	2, 264	176
December	170	2, 263	174
1876.			
January	328	1,963	148
February	310	1, 872	177
March	305	2, 156	17:
April	414	3, 161	334
May	430	3, 157	426
June		4, 300	839
July	W 440	2, 275	673
August	4 1 141	2, 341	541
September		3, 127	40%
Total	5, 539	33, 022	4, 555

The removal of offal, still a much-disputed question among sanitarians, is probably conducted with greater satisfaction in the District of Columbia than in any other city in this country. Although defective in many of its details, by no means fulfilling the ideal the board hoped to attain, the systems adopted have proven successful and received the willing indorsement of the people benefited.

The quantity of garbage reported removed falls short of the same item last year some 1,461 tons, accounted for in the fact that a less number of melous and other bulky products were brought to our market during the present year, the summer of 1875 being particularly noticeable for the extraordinary profusion of vegetable products in this lati-

tude.

The number of privy-boxes cleaned is less than last year some 2,500, resulting from two principal causes: first, the tendency of the people in the more densely-populated portions of the city to substitute water-closets for the abominable, offensive boxes, disgusting relics of the past, which should no longer be allowed to exist anywhere; second, the poverty of a very large number of the population who live in the alleys and outskirts of the cities. It is oftentimes impossible for them to pay the small sum required for the cleansing, hence their boxes are cleaned much less frequently; and such has been the case even among the class supposed to be better able, but obliged to practice unaccustomed economy. The employment of special inspectors for this service to prevent the accumulation of nuisances on premises has been productive of good results, but the fact still exists that hundreds of these poor people are unable to pay even this tax for cleanliness.

Of the 4,555 dead animals collected and removed, 1,092 were large, such as horses, mules, and cows; the remainder were dogs, goats, cats, &c. The number of dogs impounded, not redeemed, and killed at the

pound was 1,917.

Operations of the pound for the year ending September 30, 1876.

Animals impounded.							from es.								
Months.	Horses.	Cows.	Mules.	Hogs.	Goats.	Geese.	Dogs.	Total.	Redeemed.	Killed.	Dogs killed.	Died.	Returned.	Sold.	Cash received from fees and sales.
1875.															
October	3	12	1	1	25	37	222	301	119	178	173	*1	{	1 horse, \$7. 2 geese, \$1.	} \$130 7
November	3	9			9	22		43	40	2				1 cow, \$9	50 2
December 1876.	• • • •	9 5	1		19	16		41	35	5				1 goat, \$1	37 00
January		1			11			12	9	3					10 2
February		4			12			16	12	4					17 00
March	1		1		16			18	11	7					12 50
April	4	1			14			19	13	6					18 00
May	7	6	2		7		306	328	85	243	243				100 00
June	4 3	4			9		512	529	112	417	415				120 00
July		8 5			19	7	507	544	118	425	419		†1		119 50
August	6	5		2	7		467	487	105	382	378				126 23
September	5	5			14	11	295	330	85	245	240				90 50
Total	36	60	5	3	162	93	2, 309	2, 668	744	1,917	1,868	1	1	5	832 00

\*Horse, |Goat.

#### POUND.

The lack of sufficient funds to defray expenses has also greatly crippled this important department of the service under my supervision during the summer months when domestic animals run at large and while the dog-days prevail. Nevertheless, the above statement compares favorably with former years, especially when we consider the fact that every year reduces the grazing-ground within the city limits, and teaches the custodians of cows, goats, geese, &c., how rarely any animal gone astray escapes the relentless impounder.

Double the amount now devoted to this service would be judiciously

expended during nine months of the year.

The army of miserable curs will be recruited to such formidable strength as to demand the marshaling of a sufficient force for their extermination during the next warm season.

Cases of small-pox occurring in the District of Columbia during the year ending September 30, 1876.

	Lecation.	Color.	Nativity.	Class of disease.	Class of disease, When vaccinated.	Removed to hos- pital.	Died.	_:
Martha Watts	1627 Twelfth street N. W.	Colored	United States	Confinent	United States Confinent Previous to 5 years	Nov. 7	,	
James H. Webb Charles Watts	10 Seventh street S. E. 1627 Welfth street N. W. d. do. do.	Coloreddo	99		do Within 5 years do	Nov. 11	No.	17
Mary Webb	op op	999	op.	ob	do Previous to 5 years	Nov. 14		
Peter Watts	op op	do op	op.		Within 5 years	N.N. N. N. N. N. N. N. N. N. N. N. N. N.	Nov.	1.7
Martha A. Dolby	op-	9	op		ob	NON:	Nov.	31
Steptoe Dolby	517 Seventh street N. W		op	900			Nov.	3.5 A.
William Young	Alley, 2 and 3, between B and C streets N. E. Canal-boat, Georgetown 55 Codar street.	N. Edo	999		Neverdo	Nov. Dec.	Jan.	17
Gillie Payne	421 Ninth street S. W. 439 Seventeenth street X. W.	-	ob	ob ob	Within 5 years			
Henry McDonald John M. Quaws			do do			Jam. 2×		
Tenry F. Quaws	Providence Hospital	White			Within 5 years	Feb. 16		
Virginia Gordon Alex, Gordon	313 Twenty-first street N. W.	Colored	United States	ob	Neverdo			
Feany Thompson	113 Theories frost N. W.	ob	do	dodo	- do		Feb.	
fane R. Quaws	430 Seventeenth street N. W	-do	do	op	Within 5 years	1		
Fanny wilson Fhomas Riddle	Norris alley, Georgetown	do	op	ob		Mar.		
Susan Williams	1709 E street N. W.	do	ob	Confinent	Never			
Maria Price	519 Twenty-third street N. W	op	op	Mild	Within 5 years			
Polena Watts	Cedar street N. W		do	Confluent	Never	Mar. 29		
Mary Hawkins	1740 E street N. W	do	op:	op	Within 5 years			
Ann Brown.	Twenty-first st, between N and Osts, N.W. 519 Twenty-third street N. W.	op op	ob	Confluent	ob ob	Apr. 11		
Mary Price	(do	do	do	do	do	Apr. 11		

Statement of services rendered by physicians to the poor, and cost of medicines furnished, during eleven months ending September 30, 1876.

	Pati	ents trea	ited.	office lons.	Co	st of medi	cines.	ysi- clerk	blanks, virus, ints.
Date.	White.	Colored.	Total.	Visits and offic	To white persons.	To colored persons.	Total.	Pay of phy cians and c	Cost of blan vaccine viriand splints.
1875.									
October	204	421	625	1, 357	\$50 22	\$106 46	\$156 68	\$500 00	\$30 00
November	140	297	437	853	36 94	69 73	106 67	500 00	
December	112	442	654	1, 323	36 63	93 81	150 41	500 00	
1876.									
January	195	536	731	1,604	52 12	124 18	176 30	500 00	15 00
February	201	519	720	1.344	48 42	125 93	174 35	500 00	
March	351	852	1, 203	2, 285	76 74	158 47	235 21	500 00	111 00
April	243	509	752	1, 939	92 95	185 98	278 93	500 00	8 50
May	210	454	664	1, 221	70 50	103 20	173 70	500 00	37 50
June	298	626	924	1, 401	81 36	160 21	241 57	500 00	2 70
July	251	491	742	1,759	58 75	92 28	151 03	338 00	
August	138	268	406	1, 096	27 45	56 16	83 61	359 58	6 00
Total	2, 443	5, 415	7, 858	16, 182	652 05	1, 276 41	1, 928 46	5, 197 58	210 70

The above table gives a very satisfactory exhibit of the services of the physicians to the poor, and the cost of medicines furnished, for the eleven months ending August 31, at which time the honorable commissioners suspended its operations. A calculation shows that 95 cents was the average expense of treating each patient, and that 16,182 visits or consultations were had. No city in this or any other country can show so extensive a service of that character as economically conducted. Nine earnest, competent physicians were devoting a large share of their time every day to the relief of the wretched and unfortunate sick of our District, working out a method of dealing with this question which we confidently hoped would meet the approval and adoption of all who interest themselves in charitable offices. No greater exhibition of the poverty of our District treasury can be published to the world than that no funds are available for this humane object. Not a day passes that several of the very poor do not apply to me for attention and medicine required by some miserable sufferer. And, as the cold winter wears on, incalculable sickness will result from this necessity. Must this disgrace upon our fair District of Columbia continue a bye-word to the whole country? Certainly some way, public or private, will be found out of this apparent unchristian disregard for these most distressful people living within our borders.

The following report of the medical sanitary inspector, and the consolidated table accompanying it, exhibits how important are the special duties assigned to that officer and how faithfully and efficiently he has performed them. I commend his statements—resulting from every-day experience among the very poor—to the careful consideration of the

board.

DISTRICT OF COLUMBIA BOARD OF HEALTH,
OFFICE OF HEALTH-OFFICER,
Washington, September 30, 1876.

SIR: I have the honor to submit herewith my report as medical sanitary inspector, for the year ending September 30, 1876, including a consolidated tabular statement of cases referred for investigation and report:

Consolidated report of the medical sanitary inspector for the year ending September 30, 1876.

disposition of disease.	Colored. White. Colored.	G1 G2 G2 G2 G2 G2 G2 G2 G2 G2 G2 G2 G2 G2
Improp dispositi of body.	White.	
Buried at public ex- pense.	Colored.	9404 0389
	.estidW	61
Illegitimate children.	Colored.	Z 748
Illeg	White,	
	Total.	
	refants.	
	Children.	
	Colored.	8xx-aqaya-2x888
	White.	4
	Female,	වීසය ය ය සහසියය යෙය යය විශාවිතම් ලියාවේ
	Male,	800 010101005   1 0 11 -005150111080
	Cause of death.	Arelectasis pulmonum cong post natal a seites painten post natal post natal a post natal a post natal a post natal a post natal a post natal a post natal a post natal a post para a post

REPORT OF THE BOARD OF HEALTH.	24
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Fever, bilions remittent  pastro-enteric pastro-enteric pastro-enteric pastro-enteric Gastro-enterits Gastro-enterits Gastro-enterits Hydro-perican Hydro-pe	Tubercular bronchitis I riscuus nascentium.

Consolidated report of the medical sanitary inspector, &-Continued.

:8	I	REPORT	OF
Improper Local cause disposition of disease.	Colored.		36
Local canse of disease.	White.		131
oper sition dy.	Colored.		=
suried at Improper public ex- disposition of body.	White.		25
Buried at I public ex-	Colored.	-	353
_	White.		18
llegitimate children.	Colored.		156
Illegit	White.		5
	Total.	01010140	25.5
	Infants.	दर दर ∞ दर	389
	Children.	दर दर ∞ दर	202
	Adult.	465	192
	Colored.	양양지구구	594
	White.	G\$	194
	Female.	0 H 23	37.4
	Male,	ಚಿಚ≎ಣಣ≕	414
	Cause of death.	Tabes mesentorica Tubercular meningitis Variola Variolid Valual disease of beart	Total

Reference to the above tabular statement will at once show the im-

portance of this department of the board of health.

The wide range of investigation required by the variety and number of cases referred, the sanitary importance of the facts thus elicited, whether considered in their relations as to cause of death or local cause of disease, are of the highest hygienic importance and indispensable to a correct record of vital statistics of every densely-populated community.

This service will further develop as the area is extended to the numerous villages and rural portions of the District now not included on account of want of transportation to enable the medical sanitary inspect-

or to reach the remote portions of the District.

Of the 788 cases referred to in the tabular statement, 194 were white and 594 colored, or as 1 to 3.12, and according to population as 1 to 9; a suggestive fact, showing the prevailing unsanitary condition of the

colored population of the District.

Nearly one-half of the entire mortality embraced in this table is from infantile life, or below the age of one year. Of this latter class, 104 were still-births. A large percentage of the non-viable births and deaths in infantile life was directly traceable to prematurity of birth, to which the 51 cases of death from "congenital and post-natal atelectasis pulmonum" is attributable.

I cannot better explain this extraordinary waste of human life so largely represented by one class (the colored) than by quoting my remarks on this same subject (from the Annual Report of the Board of

Health for 1874, page 232,) which are as follows:

This explanation is readily found in the unsanitary condition of a large majority or their homes, the faulty construction of tenement-houses and shanties, and the overcrowding of these filthy, unventilated abodes, where poverty throngs so many of the alleys of Washington and Georgetown. \* \* \* The hard, exhausting labor, principally washing and scrubbing, that constitutes the only employment available to the mothers of this poor class of the population, directly induces the mortality of their offspring. In many cases, they are driven from the wash-tub or scrubbing-brush to the pains of childbed, from which they are compelled, in many instances even a few days or hours, to arise and resume their exhaustive labor for the support of their children.

Atelectasis pulmonum.—This is a frequent cause of death in infants of mothers in the poorer classes, especially of the colored population of this District. A large percentage of this class of infants do not reach the eighth month of utero-gestation, and the hard life of toil and privation of the mother has in many instances given her child but an imperfect physical development, and caused its premature birth; the imperfect expansion of the infantile lungs not admitting of sufficient respiration, death ensues from physical debility. In many instances, the vitiated air, charged with organic impurities from the bodies of overcrowded population inhabiting illy-ventilated tenement-houses and shanties, is so unfit for respiration as to poison the blood and extinguish the life of the new-born infant, that, under more favorable circumstances, would have survived. From this and similar causes result many cases of "post-natal atelectasis pulmonum."

Trismus nascentium.—Of the 52 cases of trismus nascentium, 4 are white and 48 colored, presenting the striking features of the unsanitary

conditions of the colored population of our District.

Phthisis pulmonalis.—The ratio of mortality from tuberculosis of the lungs is greatly in excess among the colored, owing to the fact that the predisposing conditions, such as unhealthful abodes, inadequate and often unwholesome food, ignorance of and habitual neglect of sanitary laws, vice, and dissipation, are found to prevail among them.

Still-births.—No fact presented in the table will more forcibly impress the reader and student of vital statistics than the large number of stillbirths, aggregating 104 of the 788 deaths presented in the tables, or 1 of the whole number. Of these, only 8 were white. For 81 days of the year 1874, the whole number of deaths represented are 111, of which 13 were still-births, or as  $8\frac{7}{13}$  of deaths from all causes; and for 1875, of the 694 deaths represented in the report, 80 were still-births, or 854 of the whole number, all but 8 of which were colored. Thus, in three consecutive annual reports, covering a period of 21 years, and representing an aggregate of 1,593 deaths from all causes, 197 were still-births, presenting a uniform ratio for the time indicated. Do not the voice of humanity and the claims of sanitary science demand some remedy for this waste of infantile life, represented almost entirely from one race. (the negro,) living under the same laws, breathing the same air of freedom, enjoying the same rights of manhood and citizenship as the white man, by whose side he has struggled for the mastery over the common enemy that antagonizes human life, keeping pace with him in the ratio of natural increase, and in some of the States far exceeding him? Whence, then, is this sudden reversal of the order of things? Why is it that the registrar of vital statistics is compelled to announce in his reports the continual decrease of the colored population by deaths over births, while the white population is increasing by births over deaths?

Let us now first consider the fact that of 788 deaths, 104 were of infants in intra-uterine life, and next, that 51 infants of the 788 deaths succumbed from either prematurity of birth, imperfect or unhealthy development in intra-uterine life, or from the unhealthfulness of the atmosphere and surroundings, unfit to sustain an independent life, as is indicated by the deaths from congenital and post-natal atelectasis pulmonum. These, with numerous other facts developed in the tabular statement, go far to suggest both the cause and a remedy for arresting the decrease, by deaths over births, of an integral part of our population, who are entitled to the benefits of all the sanitary precautions and protection. To prevent this unnatural mortality, a thorough and persistent method of medical inspection is absolutely necessary. To accomplish this great mission and measure of good to humanity and society, the Board of Health of the District of Columbia must be sustained by no less independent authoritative power than that of Congress.

Bastardy.—An important element of the causes leading to this increased mortality is that of bastardy. Of 161 deaths of illegitimate children represented in the table, 156 are colored, thus showing the relation of cause and effect of a vicious life. The loss to society does not stop with this premature death of the offspring of bastardy, but extends further, and has an important financial as well as social bearing upon

the community.

Again referring to the table, it will be seen that of the 302 burials at public expense, 286 were colored; and I may add also from personal knowledge, that nearly 70 per cent. of the total number of these burials at

public expense were illegitimate children.

In my Annual Report for eighty-one days of 1874, page 230, the burials at public expense were 38 of a total of 111 cases reported; for 1875, pages 83 and 84 of Report, of a total of 289 of the 694 deaths investigated, or about the same ratio as for the preceding year; whereas for 1876 the number of burials at public expense, of a total of 788 cases investigated, 302 were buried at public expense, almost double the ratio of the two preceding years; and the number of births and deaths of illegitimate children have similarly increased.

I cannot better present the conclusions drawn from the facts and data I have stated, and the recommendations based thereon, than by quoting from my Annual Report for 1874 the following:

The large number of illegitimate births is not without hygienic importance, and is

properly noticed in this report.

The moral and social aspects of the facts recorded ought, as they doubtless will, receive the attention of the missionary, philanthropic, and Christian teachers. \* \* \* The extent to which this pernicious vice prevails in the District of Columbia is painfully indicated in the table, and calls argently for the application of some effective remedy. I have often been surprised and pained at the want of appreciation these poor and generally ignorant people exhibit at the enormity of the illicit relations they maintain.

The stolidity that obtains among them in this regard is illustrated in the fact, that it is very seldom that the unfortunate girls, and confiding women of maturer years, whose confidence and hopes are so often excited by their seducers and co-partners in crime, resort to the courts or seek legal redress. Yet the burden of their life of toil, suffering, and privation is greatly enhanced, while their consciousness of and aspirations for a better life now and beyond the grave are withered and paralyzed by the dissipations and social debauchery of idleness and vice. From this class come most of the criminals who fill the station-houses at night and the criminals' dock of the police court every morning, while the unfortunate victims of their lust, infants and children, languish in filthy, gloomy hovels, without adequate food or raiment. I urgently suggest that if there be a law, either statute or municipal, punishing bastardy, that it be enforced against this moral and physical degradation. Let the grand jury call upon the registrar of vital statistics for any information that the records of his office may furnish of parties habitually living in open and undisguised adultery, often for many years.

Nothing else or less than this, I firmly believe, will ever effectually reach and abate this prevailing moral and social evil. Is it not the duty of the courts and board of

health to co-operate in this no less sanitary than moral reform?

Local cause of disease.—Of the 157 references of this character to the medical sanitary inspector for the year ending September 30, 1876, a very large percentage of the premises were found in an unsanitary condition, and such local cause or causes existing as are known to produce zymotic disease of the more malignant type. By this class of inspection, the deadly lurking enemy is early brought to light, the unsanitary condition described, whatever be its nature, the corrective remedy suggested and promptly enforced; thus putting in practice in an important and effective sense preventive as well as curative measures. I believe I may safely say that it is not possible for epidemic or endemic disease to prevail in this or any community to any considerable extent, or for more than a short period of time, when an intelligent, faithful, and efficient system of medical sanitary inspection is enforced.

Our sister city of Baltimore, Md., has recently afforded us a striking and forcible illustration of the importance of thorough, vigilant, and in-

telligent medical sanitary inspection in any community.

The result and subsequent history of facts fully sustained the opinion of Dr. Steuart, the commissioner of health, that the late terrible endemic of typho-malarial fever at Fell's Point was of local origin, and that the shockingly unsanitary condition of Fell's Point should have been discovered and abated before it revealed itself in the development of a destructive endemic of malignant type of typho-malarial fever, by such a system of medical sanitary inspection as has been for nearly three years instituted and enforced in the cities of Washington and Georgetown by the Board of Health of the District of Columbia.

I fully concur in the opinion frequently expressed by Dr. D. W. Bliss and other sanitarians that the terrible endemic of yellow fever that recently desolated the afflicted city of Savannah, Ga., spreading death and desolation in hundreds of families, and paralyzing commerce in that devoted city, ought not to be permitted to occur, when an efficient board of

health is organized, clothed with adequate powers to declare what are deemed nuisances injurious to health, and to provide for and enforce the abatement of the same.

With a vigorous and efficient system of quarantine rigorously enforced, yellow fever ought never to be permitted to prevail to any considerable extent in any of the cities of our southern seaboard, or to occur

at all, except sporadically, by importation.

When human life shall be estimated at its true worth by our national, State, and municipal legislators, and boards of health clothed with the necessary authority and supported in the execution of their great mission in conservation of the public health, demanded by the claims of humanity and interests of commerce, desolating epidemics and endemics of zymotic disease will not occur. Let us compare for a moment the cost to the city of Savannah and State of Georgia with the expense of a competent, well-organized board of health, with the loss of hundreds of lives of valuable citizens, the desolation of numerous families, and the paralysis of commerce that follow and linger long in the train of the desolating sconrge of preventable zymotic disease, that has left its dark shadow around the fireside of so many heretofore unbroken and happy families. But we may not pursue further in this connection the thoughts suggested by the facts referred to.

It is to be hoped that this service, so well inaugurated by the board of health in our city, will not only be continued but extended, and that greater facilities be given to the inspector for the most thorough per-

formance of his important duties.

Respectfully submitted.

W. D. STEWART, M. D., Medical Sanitary Inspector.

P. T. KEENE, MD., Health-officer.

# 8.—REPORT OF SPECIAL COMMITTEE ON VENTILATION OF THE HALL OF THE HOUSE OF REPRESENTATIVES.

To the honorable the Sub-Committee on Ventilation, (Public Buildings and Grounds,) House of Representatives:

Gentlemen: In compliance with your request, the undersigned. members of the Board of Health of the District of Columbia, have unstituted as thorough an investigation as practicable into the present defects in the ventilation of the hall of the House of Representatives. After full conference and interchange of views with eminent architects, engineers, and chemists, we proceeded to make a personal inspection of the extension wing of the Capitol, with a view to discover its insanitary conditions generally, (should such exist,) and especially the faults of ventilation, to which our attention was directed by your honorable body. We are fully aware that the subject has been for years one of anxious inquiry; that committees have not unfrequently been charged with the duty of suggesting improvements in a system by no means perfect, and that reports exist of great value on the evils complained of, embracing a useful variety of theoretical and speculative suggestions. The papers of Wethrill, Gouge, Stimers, Robinson, Reed, Clarke, Meigs, Hayden, Loughbridge, and others would appear to be exhaustive on the subject of which they treat, and yet defects linger in the present system of ventilation which call loudly for correction. The principal objects to be

attained by a proper system of ventilation are: the introduction of fresh air in sufficient quantity for healthy respiration; the preservation of the air at the proper temperature; its adequate hydration in winter when required to be heated; and the successful removal or displacement of the impure air. The present plan of propelling the outside air into the building by means of faus, together with the appliances for the displacement of impure air, are too familiar to require special description.

We now beg to suggest certain improvements, which (it is proper to remark) are chiefly the conclusions of Mr. Adolf Cluss, an eminent architect of this city, who has devoted much time and study to the sanitary requirements of public buildings and private dwellings, and whose designs have in this regard been rewarded by a medal of progress at the

Vienna International Exhibition.

In the progress of our work, we have carefully measured the air as it is drawn in from the terraces through the fan-wheel, and have pursued it through the coil chamber into the hall. On the other hand, we have measured it from the moment it issues through the openings in panels of ceiling, followed it through the loft to the down-shafts, and, after having passed through the exhaust-fans, measured it, and tested this again by a final measurement at the mouth of the foul-air shaft, where it discharges into the open air, about four feet above the surface of the roof of the corridors connecting the House with the old Capitol. The experiments were made in calm weather, when the engineer had on nearly thirty pounds of steam, when the fan-wheel sucking in fresh air made about forty-six revolutions per minute, and the exhaust-fans about thirty-eight in the same time. We found that 24,660 cubic feet of fresh air were drawn in at a temperature of about 54°. This, having passed through the coil-chamber, was measured again at the inlet into the main warm-air duct of the House; 26,526 cubic feet of hot air, at a temperature of 130°, were measured, and, after computation, it was ascertained that 24,660 feet will swell in volume to about 26,520 cubic feet when heated from 54° to 130°. Thus the accuracy of the measurement was tested. This air is consumed at a temperature of about 68°, so that the volume for actual use was about 25,000 cubic feet. We have ascertained that no difficulty exists in running the fan-wheel to fifty-five revolutions per minute, which will furnish a supply of 30,000 cubic feet for that period.

Our measurements give a seating capacity in the galleries of about 1,400 persons; add to this 300 Representatives, and as many attendants and visitors, and we shall have at least 2,000 persons in the hall, each person having a supply of 15 cubic feet of air when the present apparatus is worked to a safe maximum capacity. The demands of the most successful modern investigations of human life are not less than 35 cubic feet per minute for halls occupied by protracted sessions, according to which not more than 900 persons occupying the hall and galleries

can be assured of the full benefits of fresh air.

For this deficiency, the original constructors of the Capitol are not properly censurable, since sanitary science is of recent origin, and was very imperfectly comprehended twenty-five years ago, when the plans for the Capitol extension were adopted. At that time, it was believed that 15 cubic feet were sufficient for hospitals containing the ordinary sick, a deplorable fallacy demonstrated by improved instruments for the exact measurement of air-currents. The air now entering the hall is not hydrated, provision for that end having been most injudiciously dispensed with several years ago. The reason stated, as we are informed, for this omission is that it was found to be of no use to furnish moisture

simply to become absorbed by the hot bricks of the air-ducts. The plastering of these ducts with Portland cement would have easily corrected the evil if it existed, and also have benefited the working of the apparatus, since the smooth cement surface would have decreased the friction of the air now moving over the rough brick walls of the duets. When the air was hydrated, it appears that a trapped connection was made with the sewer by a 3-inch metal pipe, which earried off the wastewater supply. This must have rapidly evaporated from the trap of the 3-inch waste-pipe, and it is believed that until recently sewer-gas was carried into the hall through this unplugged inlet. Your present engineer has the credit of discovering this startling source of contamination of the House air. We suggest that the neglected system of hydration be restored, and the principal duct lined with tin, since the sheet lead formerly used has been abstracted in large quantities, and is in itself liable to poisonous chemical changes with the contents of the pipes, which should be avoided. Cast-iron patent heaters obstruct the passage of the air in some of the ducts. They have evidently been inserted by some enterprising mechanic without due reflection, and should be removed. The wood-work of the floor of the hall forms in many places the ceiling of the hot-air ducts, which cokes the timbers so thoroughly that a match carelessly applied by a mechanic making repairs might involve the whole floor in a blaze. The wood, moreover, is thus tending rapidly to a condition favorable to spontaneous ignition, an accident which not unfrequently occurs from similar circumstances. Your committee will be promptly convinced of this fact by entering the duct from the large northwestern floor-register in the hall.

After we had concluded our experiments in the supply of fresh air, we passed over to the discharge of the vitiated air. We found it to escape quite uniformly and with a low velocity, principally through an open space about 1\(\frac{3}{2}\) inches wide, all around the four sides of the other tier of the glazed panels of the ceiling. It moves upward to near the surface of the large sky-light, where it is cooled off very considerably in its slow march, and is thus drawn out to the down-shaft by the exhaust-fans in the cellar. We find a discharge of 28,000 to 29,000 cubic feet per minute from the air collected in the loft, but besides the air for the hall (and probably in part for the corridors around the hall) a quantity of air from various spaces finds its way into the down-shaft, so that in calm weather they discharge about 32,000 cubic feet per minute. Many of the late troubles are no doubt due to the deficient height and unprotected mouth of the east shaft during boisterous weather. This we think

should be promptly remedied.

We do not perceive any difficulty in making a connection of the splendid draught in the up east shaft with the restaurant-kitchen, which, when established, will have a tendency to draw foul air from the numer-

ous stagnant nooks and corners in the cellar.

The first suggestion therefore looks to a modification of the upper end of the foul-air stack, which discharges into the open air above the roof of the Capitol extension, but several feet below the adjoining southern gable-wall of the old part of the building. Near to this wall, and about twenty feet apart, are the smoke-stacks proceeding from the boilers, and the foul-air stack, through which the vitiated air of the House is forced out. Both these were formerly of the same altitude, but there is evidence that the smoke-stack, after its construction, doubtless on account of its imperfect draught in certain states of the atmosphere, was raised above the adjoining wall. This alteration, strange to say, was

not made in the foul-air shaft, although equally demanded for the unin-

terrupted escape of the impure air. (See illustration No. 1.)

It is, therefore, proposed to raise the foul-air stack to the height of the other, and so construct its highest point as to render it independent of the disturbing influences of air-currents retarding the escape or forcing back the vitiated air seeking an outlet. The wind blows in our city frequently with a velocity of 50 feet per second or more; that of the ascending column of foul air is about 20 feet per second. Since the wind always blows with a greater or less angle of inclination toward the horizon, the ascending powers of the foul air will be more or less affected, and under adverse circumstances completely arrested by the effect of the vertical component of the power of the wind, whenever the large discharging-orifice (in this case about 27 square feet) is unprotected.

After protracted experimental study, Mr. Cluss has successfully overcome a similar difficulty in the new public-school building in Georgetown, to which attention is invited. (See diagram No. 2). The stack is topped out in the shape of a chimney head, so constructed that the force of the wind is deflected to a horizontal direction by a series of horizontal plates, at close intervals of about 8 inches, and in number furnishing the required area in the interstices between the plates. These plates are open for the area of the stack in the clear, but a close square plate covers them on top. From whatever direction the wind blows, it thus finds at the side a sectional area equal to that of the stack itself, through which the foul air can escape. The wind is thus made to assist the discharge of the foul air, instead of impeding it, as is the case in an unprotected open stack, or one supplied with a naturally-constructed ventilator-head. In calm weather, the ample open areas on the four sides will allow the foul air to escape as freely as though the stack was entirely open. Since the expense of this change will be trifling, we respectfully suggest that it be afforded a trial.

We may be permitted here to say that not the least important objects of ventilation are the cellars, basement, and water-closets on the ground-floor. Miscellaneous odors of a bad character from the restaurant-kitchen and other sources linger there, and find their way up through open doors and wall-holes by easy preference into the hall, the air of which is extracted by the exhaust-fans. An easy communication can be established between the kitchen and the foul-air shaft, which must result (by suction) in a removal of the air to a greater or less degree

throughout the cellar.

A range of water-closets on the ground-floor, used daily by perhaps two thousand persons, seems to be simply ventilated by a connected register, which indicates hardly any draft whatever. Why not at least keep an extra-sized gas-burner lighted in such a flue, so as to give motion to the air, instead of allowing it to be diffused through the

building?

The mode of gathering the foul air from the House hall, on its way to the foul air shafts, also deserves consideration. It escapes through numerous apertures in rosettes and open spaces at the sides of the glazed panels of the ceilings into the open loft, with the air of which it freely mingles. The loft is separated from the outer atmosphere simply by large surfaces of glass, and communicates in many places with the outside air in consequence of small settlings in the building since its construction, shrinkage, and other joints from alternate contraction and expansion, caused by active changes of temperature. These facts render it by no means certain that all the air passing to the foul-air shafts

actually comes from the bottom of the hall, though a large proportion may enter from the hall-corridors in rear of the galleries, by means of

the doors, which are so frequently open.

A number of conditions contribute largely to the vitiation of the House atmosphere, prominent among which is the promiseuous crowd which frequent the galleries and lobbies, not a few of whom are desirable candidates for the bath-tub and crash towel. These beings find in the seats convenient lounging and sleeping corners, their bodies giving out the greatest impurities, and their places supplied not unfrequently. when they retire for the night, with regiments of diminutive cavalry in light marching order. Under the most favorable conditions, the air becomes more or less charged with effete organic matter exhaled from human bodies. This not only combines with carbonic acid when the air is heated, but, when chilled, descending, becomes absorbed and retained by all porous material, especially upholstery. Hence, if possible, all such substances should be excluded. On the floor of the House, the seats should be covered with the least absorbable material, as polished leather. Frequent washing of floors, walls, &c., and periodical attention to the cleansing of carpets, constitute important sanitary measures, not to be neglected. Everything which by possibility affects the purity of the air enters into a proper system of ventilation.

Another subject inviting attention in this connection is the sewerage, which has not hitherto received the attention its importance demands. Until the fall of 1875, the sewer draining the United States Capitol discharged its contents into the open Washington Canal. This canal has been converted into a main sewer for a length of 3,000 feet beyond the mouth of the Capitol sewer. (See map No. 3.) This main sewer drains 3,000 acres, or one-half of the whole area of the city level for this entire distance south of the Capitol sewer, and for the space of 1,500 feet higher up to Pennsylvania avenue; and, since sewer gases seek the highest point, the Capitol sewer, which now enters it freely, forms a sort of ventilating shaft to this new sewer, on account of its ascent up the line of Capitol Hill. The mouth therefore of the Capitol sewer ought to be effectively trapped, and a shaft built over the trapped part for easy access and control in case any sediment should be deposited therein. A sketch (No. 4) is herewith presented showing that to clean this trap will require no more labor than is needed for traps at the corner of two intersecting streets. It is not believed, as has been recently asserted, that the mouth of this sewer is now under water, since the level of the (tide) water is no higher in the present sewer than it was in the old canal, when the mouth of the Capitol sewer was always exposed in ordinary tides, although submerged during spring tides and freshets.

If a radical change in the heating and ventilating be entertained, as we hope it will be, we shall recommend that the fresh air (warm or cold, as the case may be) be forced in from the ceilings, where the warm air, in consequence of its smaller density, will be rapidly diffused over the whole surface of the ceilings, cool off in contact with ceiling and side walls, and be slowly pressed downward, followed by succeeding layers of hot air until it comes in the region of the ventilating or foul-air registers, through which it will be removed from the hall by the action of the exhaust-fans with a low velocity; thus the movement will uninterruptedly proceed as long as the proper balance between the action of the supply and the exhaust machinery is maintained by intel-

ligent and faithful engineers.

We do not see any practical difficulty to this arrangement. The air from the present coil-chamber, instead of being forced down into the

present main hot-air duct, would rise to, and above, the high ceiling of the coil-chamber, to the level of the ceiling of the hall. Thence it would be forced over the ceiling of the hall with no more difficulty than is now met underneath its floor. The outer tier of the glazed panels of the ceiling, 32 in number, is hardly of any use for light. Ducts constructed of two thicknesses of sheet-metal, with an interstice filled with non-conducting material, such as ground pumice-stone, ashes, &c., should be tightly fitted to a properly-shaped outlet, from the highest point at or above the old coil-chamber. The ducts should be extended all around the ceiling over the above-named tier of panels, and openings on the lower face of the ducts should be tightly fitted to those panels. These panels have not at present perpendicular open spaces of about  $1\frac{5}{8}$  inches in width for the escape of foul air. The height of this space would hereafter be so regulated as in the aggregate to present the most favorable sectional area for the ingress of the fresh air, which will be forced in with a low velocity.

The present doorway from the coil-chamber to the main hot-air duct would be walled up, when the net-work of the present hot-air ducts would, with the slightest modifications and alterations, be made available for use as foul-air ducts by simply constructing connecting ducts with the down-draft stacks, which are in convenient proximity. The efflux of the foul air should be provided for through the boxes at the side-walls of the hall near its floor, through a few floor-registers, and through openings in the risers of the passages between the amphitheat-rically-arranged seats, but the open risers under the feet of the members should be closed, as objectionable to comfort and health of the members.

The proposed compound system of impulsion and exhaust hinges upon the preponderance of the force by which the fresh air is driven in through the ceilings and upon a moderate action of the suction by the exhaust-fans, so as to avoid a suction of air and consequent drafts through the 39 double doors leading to the House hall from corridors. By following this principle, the open fire-places in the retiring rooms around the hall will be more important auxiliaries of the new system, which would not be the case in any plan similar to the one we propose, but in which the exhaust process of the foul air would preponderate, since in the latter case the smoke from the fire-places would be drawn back into the hall and thus be in conflict with the system much more than at present.

It is believed that when the ducts admitting the fresh air, as well as those discharging the foul air, are brought under perfect control by confining the current of air within the required sectional area, there will be a vast gain in the useful effect of the present machinery. The sectional areas of the supply-ducts at present increase and diminish, branch off, diverge, wind in all possible directions, and at times open altogether in the dead spaces below the risers of the House floor, which want of system must result in a most serious waste, and must impair its efficiency.

In recapitulating, we beg to state that, besides the thorough remodeling of the system of heating and ventilating the House hall, we propose, by way of modification of the present system:

1. The raising and perfecting of upper end of upcast shaft for discharging foul air.

2. The ventilation of the cellar by constructing a duct from kitchen to the upcast shaft.

3. Attention to the ventilation of the ranges of water-closets on the ground-floor of the building.

4. The careful trapping of the Capitol sewer at its junction with the Tiber main sewer.

5. Re-instatement of the hydration of the hot air.

6. A lining of the hot-air ducts near their junction with the coil-chambers with tin. This will be only necessary for a limited distance and need not be extended into the smaller ducts.

7. Proper guards should be put in by which the fresh air in its rapid course is arrested at the numerous narrow slots through which warm air is expected to reach the warm air register at the side-walls of the hall.

To come up to the standard of the present time, some steps should be taken during the next recess of Congress to increase the power for the supply of fresh air, and this is a feature of our proposition looking to mere changes of detail, as well as of those advising a thorough revisal of the whole system with its shiftless labyrinth of air-ducts under the floor of the hall.

In conclusion, it may not be out of place to outline the exact calculations by which the scientists of our day have proved the utter insufficiency of the arbitrary assumptions so recently in vogue. Man exhales daily  $17\frac{3}{4}$  cubic feet of carbonic acid at  $32^{\circ}$ , which at  $65^{\circ}$  expands to  $18\frac{7}{8}$ cubic feet. Exhaled air contains four per centum of carbonic acid, and consequently these 18\frac{7}{2} cubic feet of that gas are distributed through 472 cubic feet of air, which each individual absolutely needs for respiration. If the air does not return to the lungs charged with four per centum of carbonic acid, then for each quantity of exhaled air an equal amount of fresh air must be introduced into the room. This minimum, however, is by no means the correct expression of the smallest want, since it cannot be assumed that such an intense mixing and motion of the air result from it, that, on the one hand, the carbonic acid would be equally distributed, and, on the other, the exhaled air would be removed so fast that no part would be returned to the lungs. To obtain success, the above 472 cubic feet must be multiplied with at least eighty, in order, probably, to obtain air charged with no more carbonic acid than 10000, which is the normal ingredient of outside air. But since the diffusibility of the gases is never so uniform that this condition is reached, there are still found, with such a ventilation of 1,575 cubic feet per hour and head, from eight to ten parts of carbonic acid in ten thousand parts of air. These figures appear to be high; still the experiments of Morin, Pettenkoffer, and many others of world-wide reputation, agree in this respect.

Carbonic acid serves as an indicator of miasmatic contents and other deteriorations in the air, and, as such, is used in argument to simplify the problem.

The maximum contents of water in healthy air is one-tenth pound in 2,100 cubic feet, the quantity required per head and per hour in conditions similar to those existing in the hall of the House of Representatives. The actual contents of the air should neither exceed the maximum nor be much below it; for dry air, resulting from the abstraction of moisture from the human body, produces a peculiar sensation of headache and dizziness. If the aqueous contents, on the contrary, are in excess, the lungs cannot expel as much water as the organism requires, and thus transpiration, or perspiration, is rendered impossible. The products of transpiration, or perspiration, i. e., sweat and evaporation, will, with the exception of aqueous vapors, be likely to escape chemical analysis, but are perceptible to the olfactory nerves.

We have now disposed of the subject presented for our consideration as we have been able in the limited time allowed and consistently with other pressing duties. If not presuming, the board would respectfully suggest that they be authorized to prepare for the consideration of the next session of the present Congress an elaborate and full report, suggesting such methods as will secure the best possible sanitary conditions both in the Capitol proper and the various other public buildings in which Government work is conducted, in which heating, lighting, sewerage, and ventilation are defects of the most serious character and extent, calling loudly for correction. A reference to the Third Annual Report of the Board of Health (pages 43–44) will fully illustrate the disgraceful insanitary conditions of the Government buildings. A very moderate appropriation, to be strictly and economically applied, would enable the board to institute suitable experiments, and avail themselves of the experience and co-operation of distinguished scientists, in maturing a report covering the entire field of sanitary reform, and embracing suggestions and propositions of practical value and importance.

We have the honor to be, very respectfully, your obedient servants, CHRIS. C. COX, M. D., D. W. BLISS, M. D., T. S. VERDI, M. D., Committee.

#### SUPPLEMENT.

### Mechanical detail.

Five boilers of nearly 5 feet diameter and 15 feet in length are at present at disposal for generating steam for heating the coils, for forcing the air in, for the exhaust-fans, for the bath-rooms, wash-basins, and so on. The generating power thus seems not very contracted, but after eighteen years' use some of the flues have most likely become defective. These boilers should be throughly overhauled after the recess. A fan-wheel of increased power for the sul ply of fresh air, and an engine of enlarged power to drive it, will be indispensable for reaching a higher standard of ventilation, while the present exhaust-fans are deemed ample.

There were formerly four large coils of steam-pipes in the heating-apparatus for the hall, but of these one was taken out last summer, so that this winter there were only three coils in the old chamber, leaving a large unoccupied space, which is unfavorable for the regular working of the apparatus; the fourth coil has evidently been taken out because after eighteen years' use it had become leaky and inefficient. An examination shows that whole sections of the coils still in use are in the same condition; that the heat is shut off from those sections, and that the concerned piping is just so much dead material in the coil, obstructing the passage of air without doing any service whatever. As at present arranged, the whole coils are filled with steam, when the hall is being heated up in the morning, with about 12 pounds pressure on the coils, but, except in extreme cold weather, a pressure of but about 21 pounds is used for the rest of the day, when only about 4 feet in height of the coils, measured from the upper face down, are filled with steam, and consequently hot. At such time, the air blows irregularly into the main air-duct; a hot puff from the upper part of the coil is often followed by a cool puff through the lower cold part of the coil.

If the present system of heating by impulsion of warm air from the lower part of the hall is maintained, measures should be taken to make better use of the energy exerted by the engine, since at present there is

no due proportion between useful and wasteful work done. The coils should be lowered, the tongue between the lower part of the coils and the hot-air chamber to be lowered also; the three large-sized windows in the outer wall of the coil-chamber should be walled up or made double for economy for heat, and but small openings, filled with thick, hammered glass, for admission of a moderate amount of light, left; the ceiling of the coil-chamber should then be lowered, so as to be little above the top of the inlet door to the hot-air chamber, to which it should be drawn down with a slow curve, so that the velocity of the currents of air is not abruptly changel, or that obstacles to their regular movements If, as per some of the reports of the architect, which, it appears, are only partially followed, the dead space below the raised floor of the hall is to be used as a resorvoir for the hot air, ordinary caution advises the plastering of the wood-work on the under side. Since the coils are out of repair, and need, at all events, a thorough overhauling, we should recommend, for economy of heat and facilities of repair, that these coils be separated into compartments about 5 feet high each, These coils, instead of having vertical side-interstices all the way up, would thus be set zigzag fashion.

It is remarkable that, on the one hand, one of the four heavy coils has been taken out, and heat has been shut off from many sections of the remaining three coils, and that, on the other hand, this deficiency so created has been compensated by obstructing the inner hot-air duct with patent steam-boxes, or radiators, against all rules derived from the observations of the easy circulation of currents of air or similar gases.

If these coils, as at present, were deemed sufficient, why not cut off one-third of the height of the remaining three coils, put that amount of steam-pipe in the now empty space of the fourth coil, decrease the present disproportionate height of the coil-chamber, and let the warm air pass straight in the warm-air ducts, instead of allowing it to rise high up, and forcing it down again to the level of the warm-air ducts. This would not be mentioned if it were a mere waste; but since there is reasonable complaint about the want of efficiency of the means now at disposal, it is necessary to call attention to anything tending to increase useful effect.

The imperfect use of power generated is still more apparent in the arrangement of the exhaust than in the supply. Let us assume a present discharge of 470 cubic feet per second; these will reach the external atmosphere as follows:

1st. Through an aggregate area of 350 square feet in openings of ceilings, giving a velocity per second of 14 feet.

2d. They spread in the open loft over an area of 12,900 square feet, giving an average of  $\frac{1}{2\pi}$  of a foot.

3d. They pass in the chamber in front of the down-shafts, through an opening having 52 square feet, and resulting in a velocity of 9 feet.

4th. They move into the down-shafts through two openings, aggregating an area of 22 feet, and resulting in a velocity of 21 feet.

5th. They are drawn through the two down-shafts, which aggregate an area of 50 square feet, and give a velocity of 94 feet.

6th. They issue from the exhaust fans by two circular pipes of 3 feet diameter, having an area of 14 square feet, and giving a velocity of 33½ feet.

7th. They pass up through the upcast-shaft, having a sectional area of 33 square feet, giving a velocity of 14 feet.

8th. They discharge through the mouth of the upcast-shaft, having a sectional area of 27 square feet, resulting in a velocity of 17½ feet.

The velocities are thus, seriatim:  $1\frac{1}{3}$  feet,  $\frac{1}{25}$  foot, 9 feet, 21 feet,  $9\frac{1}{25}$ feet, 33½ feet, 14 feet, 17½ feet. Whoever has driven a horse may know what is the result of giving an impetus and slackening speed at such

hap-hazard.

As for the earnest suggestion for the adoption of heating by downdrafts, we beg to suggest that Mr. Jencks's committee of 1871 left this an open question. They complain that the champions of this method have not presented any reasonable plans of alterations, and say that the changes made under their direction will make it easy hereafter to adopt a downward ventilation if adequate results are not obtained. They were afraid to shoulder what they call a total revolutionizing of the arrangements of the building, involving an expenditure of \$700,000 and

over on the House side, as per Engineer Stimer's plan.

We herewith present a plan which does not require any revolutionizing of the present arrangements. Indeed, we take advantage of, and fall back upon, many of the ideas originally entertained and incorporated in the building, as per report of General Meigs to the Secretary of War in the year 1853, which was indorsed by Professor Henry, the Secretary of the Smithsonian Institution, and by Professor Bache, the Superintendent of the United States Coast Survey. At that early time, the problem was in its infancy; but it has stood the test, and has been introduced with success since that time in some of the most successful and largest structures in Europe, prominent among which is the Grand Amphitheater of the Conservatory of Arts and Trades in Paris, finished in 1864; the Houses of Parliament; and many of the largest halls in England, and

The feasibility of introducing downward heating and ventilation for the hall of the House became clear to us only after a thorough study of all the details of the present apparatus, locating its component parts with mathematical accuracy on plans and sections of the building, as taken from actual measurement, and comparison of same with photo-

graphs in circulation among officials and professional men.

If the heated air had to pass out from the ceiling of the coil-chamber, the heat would do what it does not do now, it would regulate itself. In cold weather, when the pressure is kept up at a high mark all day, it would pass through hot steam-pipes for the whole height of the coil, while, as the weather moderated, it would pass between a less quantity of hot steam-pipes exclusively, as is now sometimes the case, and explained before; this because the heated air in its upward movement would reach the ceiling of the hall, while now it takes a route worse than that of a camel's back gradually weakened by age, as illustrated by the quaint steam-boxes in the hot-air ducts, and at last broken as by a straw, at, or rather before, the commencement of the present session of Congress.

We are not blind partisans of downward ventilation. We are well aware that for a class of huge structures, with enormous chandeliers, like opera-houses, which are exclusively used at night, the heat created by thousands of gas-lights has been most effectually made use of for inducing regular upward currents of the foul air; but it is of record that in no successful modern structure of this class the fresh warm air is allowed to pass through the building right up to the ceiling without doing any good service, as for instance in the case of the large floorregisters in rear of the members' desks in the hall of the House. Invariably, the air is made to escape through registers in rear of pit, boxes, and galleries, to be sucked by "aspiration," as it is called, into the main outlet-ducts, in which a draft is produced by the heat from the

gas-lights.

A suggestion repeatedly made before this, that a person be stationed in the loft for regulating the louvers under the skylight in the roof. according to the frequent changes of the intensity of light in clear or

cloudy weather, is respectfully called attention to.

With the adoption of down-draft heating, the space between the skylight in the roof and the light-panels in the ceiling should be encased with galvanized iron, and painted on inner side with a light tint, so as to reflect light, which will be beneficial in cloudy weather, as well as in clear weather, when the louvers have to be partially closed to shut out the direct rays of the sun.

Among minor details, we suggest to have thermometers and hygrometers in various parts of the hall communicate by electrical apparatus with the room of the engineer in the cellar, so as to do away with the old-fashioned chase from the cellar to various parts of the hall, and

inverse, which is now necessary to give satisfaction.

It is impossible to know the exact state in which the machinery and piping now is, still we can guarantee that all improvements suggested could be carried out within the sum of fifty thousand dollars, and any required guarantee could be easily obtained to insure complete satisfaction.

### 9.—REPORT OF THE SPECIAL COMMITTEE ON MUDDINESS OF THE POTOMAC WATER.

The special committee to whom was referred the resolution of the House of Representatives regarding the muddiness and impurity of the Potomac aqueduct water, have the honor to report: That the matter of the impurities which at times have rendered the Potomac aqueduct water offensive to sight, smell, and taste has frequently commanded the attention of the board of health, and chemical examinations and microscopical inspections of the water have been made to ascertain the causes of such impurities, as will more fully appear by reference to the

several annual reports of the board.

The muddiness is due to an occasional extraordinary flow of surfacewater, caused by heavy and continuous rains, the melting of ice and snow over an extensive surface of upturned soil along the banks of the river, and the numerous streams flowing therein; that this muddiness occurs particularly during the early spring, when the frost leaves the ground in a spongy and soft condition, easily dissolved or carried away by water-flows. At other seasons, the growth of vegetation retards the flow of the surface-water, thus giving it time to soak through the earth, thus causing the water to undergo a process of filtration through the substrata of sand and gravel lying at some distance below the surface.

Vegetation is not only a mechanical but a chemical system of purification, for foul water passing through the soil imparts life to the plant through the cellular tissue through which it passes, giving up elements for the nutrition of the plant. It is by this operation, and the natural purification by sand and gravel, that foul water entering a field comes out fresh and pure as spring-water. Another source of the impurity of water at certain seasons, particularly during the summer, when the water is reach the summer when the water is reached the summer when the water is reached to the sum ter is rarely disturbed by storms and rains, is what is common to all stagnant waters, namely, the generation of animal and vegetable life,

as confervæ, algæ, and infusoria. The heat of the season also contributes to the propagation of said vegetable and animal life. This has occurred in our rivers, streams, and reservoirs several times, when the water became very offensive, at least to the olfactories. These plants and animalcula generate very quickly, and in a very short space of time the surface is covered with them; but their organization is so imperfect that a heavy rain or a strong wind destroys them, and the water then becomes sweet as quickly as it became foul and offensive. After a strong wind, the shores of our reservoirs have been found to be covered with a green vegetation, cast upon them by agitation of the water; the water is then clear. Our people have often been alarmed at the condition of the water in summer, and have attributed the foulness and bad smell to the presence of fish or spawn; but that is an error, as the reservoirs are protected by screens, through which only the minutest fish can pass, and, moreover, living fish would not impart to the water the offensive smell that characterizes it. An occasional fish may get into the waterpipes, die, and putrify, and when this is found it will suggest that as the cause of the trouble; but in that case the trouble would only be local, not general.

The differences in the kind and quality of animalcular life depend not merely upon temporary storage in reservoirs, but also upon the condition of these as to cleanliness. If they contain much mud and sediment and accumulation of organic matter, then we may look for the presence in abundance of minute annelids, or worms. Reservoirs are exposed to light, air, and the sun; the air depositing on their surface many of the animalcules contained therein, and the water finds through light and heat an excellent field for propagation. It is well known that distilled water exposed to air and sun soon becomes alive with animalcules and putrid from their decomposition. So it is with reservoir-water and with sluggish rivers. The surface becomes covered with algae, a nucleus for the shelter, growth, and development of the infusoria. Instead of being decomposed fish, as was supposed, that occasionally gave bad smell to the water, it is this decomposition of this imperfect vegetation and animal life that gives rise to the formation of sulphureted and

phosphorated hydrogen, so offensive to the smell.

Filtration will remove the infusoria, as well as the algæ, and purify the water, even from mud. In London, the various companies have adopted the system of filter-beds; but the process is very expensive. From Mr. Theodore B. Samo, assistant engineer of the Washington aqueduct, we learn that from the best authorities it is assumed that half a cubic foot of water per hour per square foot of the sand floor is a fair exponent of the best English practice, and is a rate which, with the usual attention, will be certain to insure satisfactory results.

This rate, Mr. Samo calculates, is equivalent to 89\frac{3}{4} United States gallons per square foot per diem. Assuming the size of a filter-bed for such a city as Washington to be one acre, this area gives a filtration of 3,909,510 gallons in twenty-four hours. To filter 23,000,000 gallons, now used in the city, seven filters of this size would be necessary, on the supposition that the flow of water through six of them is continuous through the twenty-four hours. Even these filters, to be successful, would require a subsiding reservoir. This process would entail a very great expense at present, yet the time will come when the population of Washington will be so great as to imperatively demand filterbeds for the purification of the water.

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The construction of the aqueduct was commenced during the admin istration of President Pierce in 1853, when the population of Wash ington was about fifty thousand inhabitants. It was then considered by Captain Meigs, then chief engineer and architect of this magnificent work, to be of ample size for the purpose of that population; but that population has increased threefold since then, and the draft upon the reservoirs is consequently so great now that the water is in constant and rapid motion—not permitted to rest and settle—and must therefore come in the condition as it is issued from the river, muddy

or otherwise, to the consumer's spigot.

Running water, and particularly the water of our Potomac, that is fed by rivulets and streams that in their turn are often swollen with the muddy drains of a clay soil, requires rest for the deposit of the solids it holds in suspension. The present reservoir is not of sufficient area to afford that rest, and supply the city with water at the same time. In five days, the city of Washington would exhaust every drop of water in the reservoir if the feeding-pipes were locked. Five days of settling would hardly be sufficient to clear the water to satisfaction; but even if it did, the flow from the Potomac could not be interrupted for that length of time, because from the moment that the quantity of water is lessened in the reservoir just in that proportion the pressure is lessened, and before one-half of the water were drawn from it, one-half of the city of Washington would be deprived of water on account of the pressure lost at the reservoir. Hence that rest cannot be secured.

In Paris and London, to secure rest to the reservoirs for potable water, there are introduced two systems of water-supply; one to carry the potable water, the other the water for washing, culinary, manufacturing purposes, &c. The quantity of potable water needed by a city is greatly less than water for other purposes; hence two reservoirs of the same size, one containing drinking water and the other water for other purposes, would be subject to a different rapidity of motion. The one from which less water is drawn would have time to settle, and would therefore give water a great deal purer than the other. But even this system is

too expensive for our city.

The distributing reservoir receives, when the conduit runs full, eighty million of gallons every twenty-four hours. This divided by one hundred and fifty thousand, our present population, would seem to give one hundred and twenty-three gallons per capita. This seems immense when it is considered that in England seldom are more than twenty-four gallons allowed. But our public buildings, manufactories, street-washers, fountains, &c., use up a very large proportion of that supply, and, moreover, our American people are fond of water, and we hope never to see the time when they must be stinted in that salutary

commodity.

Your committee is aware that the waste of water in the public service and by the citizens has been a cause of great complaint; to prevent this waste regulations have been promulgated, meters suggested, &c. But your committee dares assert that not a drop of water is wasted in the city of Washington; for every drop of water that escapes, even through the negligence of our people, is a minute scavenger and a drop of health. Water is not wasted that runs into our sewers and carries miles and miles of filth therein deposited every minute of the day. And your committee dare moreover assert that the health and mortality of a sewered city is just in proportion to the quantity of water that flows through the sewers. Hence, as sanitarians at least, we could not recommend any check upon the use or abuse of water. But we do recommend, inasmuch as an inexhaustible water-power is within our reach, that

more water be brought to the city, and that more reservoirs be built to allow the water to settle and come into our houses in a purer condition.

Major General Meigs suggests the erection of a reservoir in the northeastern section of the city, to be filled during the night by the present water mains. This plan has at least the recommendation of being an economical one. For seven or eight hours of the night, but little water is drawn from the pipes, and is therefore a loss of seven or eight hours of supply; a night reservoir would collect and distribute it the next day, a clear gain of nearly one-third of the water-supply.

Major-General Babcock, and his assistant, Mr. Samo, think that the present distributing reservoir might be extended, and thus supply the deficiency. It would be an incalculable good to Washington if both

propositions were adopted and carried out.

To the question of the committee, inquiring whether, if the Potomac water were uniformly distributed through Washington, it would secure greater pressure, Mr. Samo answers, "Comparatively inferior distribution of water can be insured in any city if it is divided into districts, each district mapped in reference to altitude, and provided with a main proportionate to its area."

The quality of the Potomac water is shown by the analysis made last year under the direction of the Surgeon-General of the United States Army. The following table is the result. The quantities are in ten millions, or so many milligrams in ten liters of water, equivalent to so

many grains in one hundred and seventy-one gallons.

Chlorine	30.0
Ammonia	
Albumenoid	
Permanganate of potash	32. 4

Of course, these are the products of decomposition of animal and veg-

etable matter.

The Potomac water is as regards hardness rather better than the average of river-waters, being 10.4 degrees Clarke's scale. Your committee conclude therefore that one or two more reservoirs and watermains would not only secure to our people a sufficiency of water, but water that would well compare with the purest water supplied to any other city.

Respectfully submitted.

T. S. VERDI, M. D., D. W. BLISS, M. D., Committee.

Washington, May 2, 1876. 18 B H •